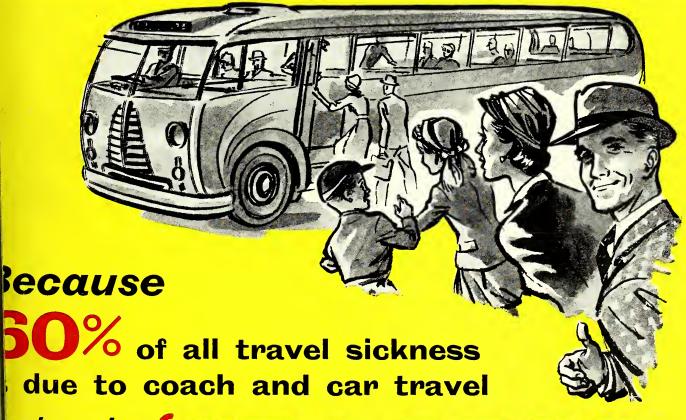
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JUNE 8 1957



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Display
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cut-out
showcard
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counter



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PRIMROSE · PASTEL BLUE GREEN · SNOW WHITE · PINK

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LIKE A NATURAL SPONGE AT A FRACTION OF THE COST WITH LONGER LIFE AND GREATER DURABILITY



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Ammonium chloride 0.3 g.

Reserpine 0.2 mg.

Homatropine methylbromide 0.5 mg.

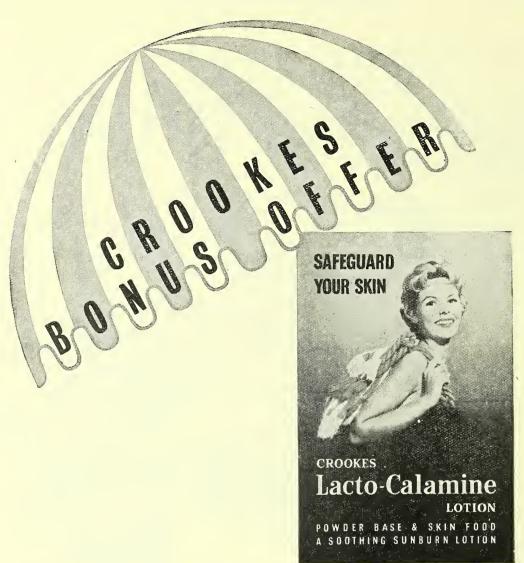
Caffeine 0.03 g. In bottles of 50 sugar-coated tablets at 13/6, trade price 7/6 per bottle,

Purchase Tax 2/3.

Available under N.H.S. prescription

WARD, CASSENNE LTD., 116 Victoria Street, London, S.W.1 WARD, CASSENNE will be telling the medical profession of this fine new cthical by frequent mailings of brochures and extensive announcements, many in colour, in the most important medical journals.

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or with your Wholesaler.



Details of the Crookes bonus offer for Lacto-Calamine have already been mailed to you. Take advantage of the attractive show material which has been specially designed to help you sell Lacto-Calamine.

Stock up now . . . it's going to be

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Borax was named long before its true pharmaceutical value was realised. Its bright white crystals were known to the physician, Rhazes of Basra, well over a thousand years ago as "Baurak." The same word was applied to the fabulous, glittering Al Borak, a "flying horse" of Arabian legend. Since then, use and research have added household familiarity to an almost legendary name. Boric acid, obtainable from borax, has become one of the safest and gentlest antiseptics known, for use in talcs, in dressings, in ointments and optical solutions, and it discourages the growth of bacteria and fungi. Medical science has constantly expanded and improved on the traditional uses of the past two hundred years. Today, boric acid is especially recommended for soothing and detergent mouth-wash solutions² and tablets³ and emollient gum lotions.⁴ Properly applied, boric acid will continue to maintain the high place it has held in therapeutics and cosmetic manufacture for many years.



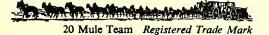
- 1. Beckmann's History of Inventions, 1V 529, 1814.
- 2. Goodrich, H.P. & Way, G.L., 1940, British Medical Journal, 769,
- 3. Chemist & Druggist, 1947, No. 3510, 629.
- 4. Pharmaceutical Recipe Book, American Pharmaceutical Association, 1932.

20 MULE TEAM BOBBBBBBB.

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MANUFACTURER'S OFFER OF SHELVING STEEL

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 Shelves adjustable every inch
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 Stove enamelled bronze
- green
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Show 'Elasto' — It Sells on Sight

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Your profit — $33\frac{1}{3}\%$ on each sale!

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WIDOW WELCH'S FEMALE PILLS

Over 10d BOX PROFIT by ordering I dozen 4/3 size. Bonus given on every dozen (13). It pays to push this size.

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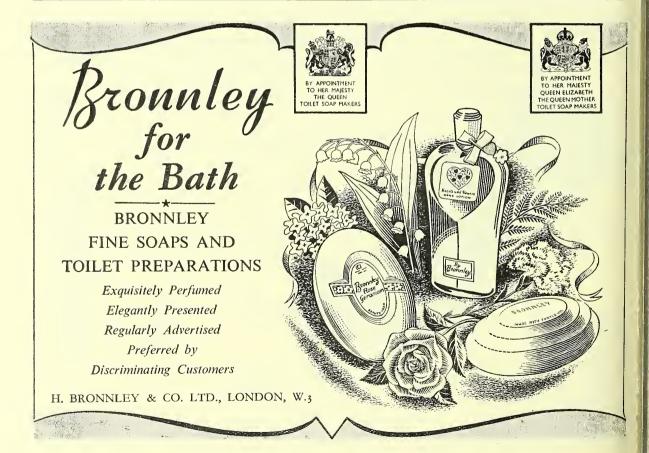
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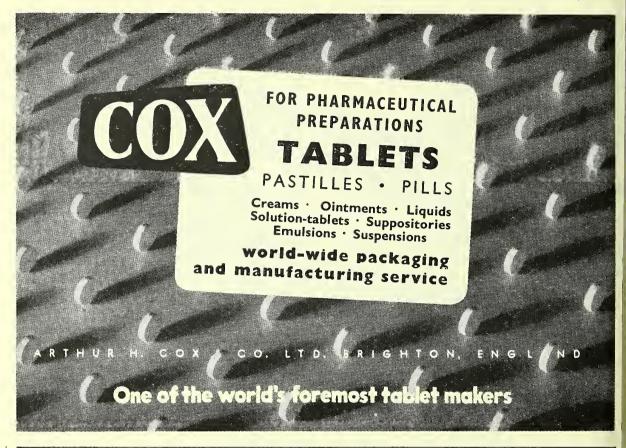




from years of research and consumer testing. The finest sanitary towel ever produced — and at the right price for big sales.



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Orders delivered within twenty-four hours if necessary.

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The Hay fever season is upon us. Win more sales and your customers' gratitude by recommending

BESORB

MEDICINAL SNUFF

the proved remedy

Your wholesaler can supply you promptly. Orders of one dozen come in attractive counter display box for

MORE SALES - MORE PROFIT

KEMSALES LTD., 20 EASTCHEAP, LONDON, E.C.3

no dandruff

on this comb

In just four to six weeks, SELSUN restores the scalp to a clean, healthy condition. Then—without further care—the patient's scalp remains free from the scaling, itching and burning of seborrhoeic dermatitis for one to four weeks. Clinical reports covering more than 400 cases show that SELSUN controls 92 to 95% of common dandruff cases, 81 to 87% of all seborrhoeic dermatitis cases.

SELSUN is remarkably simple to use. Patients just add it to their regular hair-washing routine. It rinses out easily, leaves the hair and scalp clean and easy to manage.

Available in 2 and 4 fl. oz. bottles, with directions for use.

(Selenium Sulphide, Abbott)

ABBOTT LABORATORIES LIMITED . LONDON

Regularly needed by thousands of women

SOUTHON BRAND

WILL BE BROUGHT TO THE NOTICE OF THOUSANDS MORE THROUGH . . .

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ELSUN

TABLETS

FOR PERIOD PAINS

RETAIL PRICE: 1/11 per packet of 16 tablets including tax. TRADE PRICE: 12,8 per dozen packets plus tax.

National Advertising

POINT-OF-SALE DISPLAY

Attractive but discrect Showcards and Display Dispensers link your premises with the overall campaign by providing constant reminders to your women customers. Leaflets for counter distribution available on request.

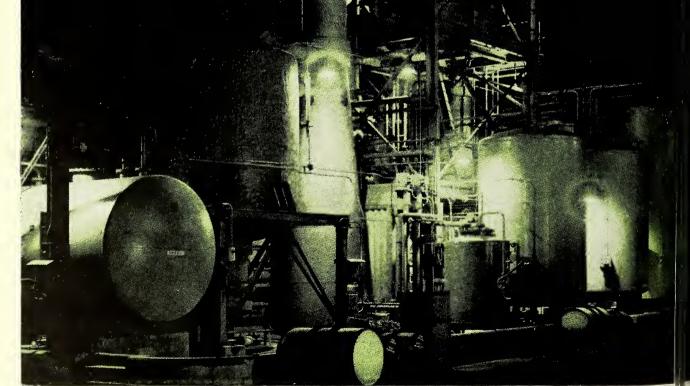
NATIONAL PRESS ADVERTISING

Selected Women's Journals remind thousands of women readers all over the country that they need not suffer the discomfort of period pains.

For further details please get in touch with your C.F. Wholesaler or direct to:-SOUTHON PRODUCTS LIMITED 88 UPPER RICHMOND ROAD · LONDON · SWI5



F O R S



P H O N A M I D E S

Since before the war, when the first successes of our research into the therapeutic properties of sulphanilamide derivatives became known, the house mark M&B has come to be closely linked with this field of investigation and manufacture. Research has continued. Expansion has gone on. Today we *remain* the house for sulphonamides, with plant producing a wide and important range of these drugs to meet every demand.

YOUR ENQUIRY IS INVITED



PHARMACEUTICAL CHEMICALS

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OPERATION AFROSOL

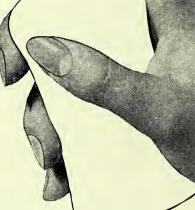
for the Pharmaceutical Industry

Increased production now permits of the acceptance of further enquiries for RISDON AEROSOL VALVES

FOR GLASS BOTTLES and
METAL CONTAINERS

The G.B. type valve
for glass bottles and
the 5210 for
metal containers—
both without
internal metal;
components—
are recognised;
as the finest and;
most versatile valves;
for press-button packaging;
of anti-biotics, chemicals,;
deodorants, inhalants, insecti-;
cides, perfumes, cosmetics and;

many other allied products. Enquiries are also invited / for the RISDON METERED / VALVE which will / shortly be avail- / able /



THE

RISDON 5210 VALVE for Metal Containers

RISDON G.B. VALVE

/which has been pre-eminent in America since the /inception of the Aerosol industry is marketed /throughout the British Isles and other parts of /the British Empire by the sole licensees to whom /all enquiries should

GLENHAM PRODUCTS LIMITED

QUADREX HOUSE, PARK LANE, LONDON, W.I

be addressed.

Telephone: HYDE PARK 6666 Telegrams: QUADREX, LONDON

Summertime is selling time for RADIAN PRODUCTS

Year-round advertising means year-round sales



THERE IS A DISPLAY BONUS OF 5%

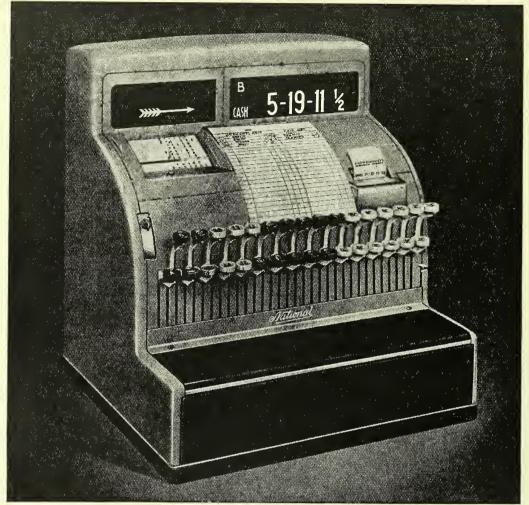
on direct orders of £3, comprising any combination of Radian products, which include: Radian-a Spirit Dressing, Radian-B Aspirin Spirit Liniment, Radian Massage Cream, Radian Soothing Cream, Radian-B Bath Salts and Radian Ovals.

Rheumatism has no season and in the summer months there is a marked increase in active sports and pastimes, bringing in their wake the inevitable crop of bruises, sprains and twinges of fibrositis. These are good reasons why you should display the Radian range in the summer bearing in mind that there is no let-up in Radian national advertising. Why not have a bonus parcel now and take advantage of the generous terms which call for so small an outlay?



78 Upper Richmond Rd., LONDON, S.W.15

Telephone: VANdyke 1642 and 2692



112/CRD/57

A beautiful machine beautifully made by Malonial Regions

- the name that earned its fame

Vigilant National Model no. 132 (7) 2

ON CALL SERVICE FROM 85 CENTRES



The Rendell story - re-told 14 million times!

Here is your preview of the Rendell advertising message to be seen shortly by millions of couples in the national and provincial press—just one of a powerful series appearing regularly. Rendells dispensers are the 'clinchers' which will convert this publicity into sales. Let us send you our latest display material. You can be sure of its ethical approach. Make sure you send for it *today*, to:—

W. J. Rendell Limited, Hitchin, Herts

If a customer hands you a prescription form from one of these advertisements, please supply our literature as well. Big change in Gillette razors

AT LAST you can buy a razor to suit your beard!

Gillette's NEW



Order stocks now from your wholesaler

Gillette's

NEW Superspeed Trio

Light

Medium

Heavy

This stand is a firstrate salesman — holds 9 razor sets (three of each weight) and tells the whole story.

From June 28th — remember that date! — every man will be able to choose a razor that matches his skin and beard — from Gillette's new Superspeed Trio:

Light For men with sensitive skins and those who prefer a light razor.

Medium For men with an average skin and beard.

Heavy For men with really rough bristle, and those who like a heavy razor.

The difference lies in the angle of the blade, the amount of blade exposed, and the weight of the razor. In each razor, these three things have been balanced with the precision of a scientific instrument. So every man can now be sure of having a razor that will be just right — for him.

June 28th — that's the date when the great promotion starts for these razors. There'll be a big campaign on television with 3 spots each week from all the stations—London, Midlands and the North. It will be backed up by constant advertising in the papers and magazines, on posters and over Radio Luxembourg. Get set for big sales with window and counter displays!

Gillette Superspeed razor — Light, Medium or Heavy. Quick-feed Dispenser with 6 Blue 7/6 Gillette Blades. Newstreamlined travel case.

GILLETTE INDUSTRIES LTD., GREAT WEST ROAD, ISLEWORTH, MIDDX.

Introducing



CALCIUM-PENICILLIN V

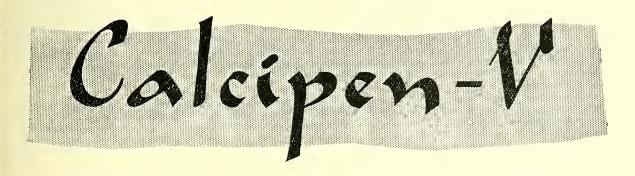
the most efficient oral penicillin

Calcipen-V is the calcium salt of Penicillin V and offers
the following advantages in oral penicillin therapy:

rapid onset of action

reliable absorption

sustained blood levels on 4 to 6 hourly dosage



Tablets of (0 mg. Penicillin V (as calcium salt). Bottles of 20, 100, 500. Tablets of 120 m.g. Penicillin V (as calcium salt). Bottles of 20, 100, 500.

Available from your usual Wholesaler or from Wholesale Division of :-

BOOTS PURE DRUG CO. LTD., STATION ST. NOTTINGHAM Tel. NOTTINGHAM 45501 or 71 FLEET ST. E.C.4. Tel. FLEET ST. 0111



BRITISH ALKALOIDS LIMITED

(MANUFACTURERS OF T.C.P.)

EXPANDING EXPORT TRADE

The following is an extract from the statement by the Chairman, Mr. E. Oswald Toft, F.C.A., F.Inst.D., which was circulated with the Annual Report and Accounts for the year ended 31st March, 1957:—

As is customary, my opening remarks concern the Accounts of the Company. Comparing the Profit and Loss Account for the year to 31st March, 1957, with that for 1956, you will observe that the Gross Profit on Trading at £113,646 brought into this Account shows a slight increase, despite a small reduction in turnover referred to later. This reflects certain economies in costs and the increases in T.C.P. prices effective throughout the year. An addition of £1,110 to the balance of Advertising Expenditure written off compared with last year will be noted and as in previous years no value is shown on the Balance Sheet for Advertising Goodwill. The charge for Taxation of £36,600 in the Profit and Loss Account is computed on the profit for the year and includes the Company's Profits Tax liability, which is again so greatly influenced by the amounts paid and proposed to be paid by way of dividend and the higher rate of Profits Tax chargeable on distributions, effective from 1st April, 1956, at 30 per cent., compared with 24 7/12 per cent., the average rate for the previous year. Thus on practically the same distributable profits figure, the increase in Profits Tax costs you, the Shareholders, another £2,000, although you will only be receiving the same cash dividend. After all appropriations have been taken into account, including the Interim Dividend already paid, there is a balance standing to the credit of this year's Profit and Loss Appropriation Account of £24,843, available for the payment of a Final Dividend, which your Board now recommend should be twopence per share less Income Tax on the Issued Share Capital of the Company, thus, as you will note, maintaining the dividend at the same amount as for last year. Subject to their approval of the dividend, warrants will be posted to Shareholders on the 4th June, 1957.

As regards the Balance Sheet, you will observe that little has been spent on Plant and Machinery, as the modern equipment we already possess has been adequately maintained out of Revenue. Current Assets standing at £208,142 exceed Current Liabilities and Provisions by the substantial sum of £140,654, after making provision for the Final Dividend.

TURNOVER

As reported at the time of the declaration of the Interim Dividend in the Autumn, there had been a reduction in turnover for the first six months of the year under review as compared with that for the same six months of the previous year, but I am glad to be able to state that this reduction has been counterbalanced to a large extent, despite difficult trading conditions, by an improvement in sales during the half year to 31st March, 1957. This notwithstanding, the year's turnover is lower by rather less than $2\frac{1}{2}$ per cent. and this fall, we consider, can be largely attributed, so far as the Home Trade is concerned, to the exceptionally inclement summer of 1956.

During the first half of the year under review our Export Trade showed an encouraging expansion, and although this upward trend was not maintained in the second six months, I am glad to be able to say that the sales for the full year show a satisfactory increase. Business in Australia is developing steadily and although having nothing of a spectacular nature to report, you will be pleased to learn that we are making progress there as well as in other Export Markets, for example, in South Africa and Eire.

Reverting to the Home Market, members will share our disappointment and concern at the retention of Purchase Tax on medicinal preparations such as ours. It would seem that those responsible for this decision fail to realise the immensely valuable contribution we continue to make to the Health Service, by enabling members of the public to treat for themselves at home, safely, confidently and with certainty, those many minor ailments and ills not requiring medical attention—thus reducing calls upon the General Practitioner's time—a truly invaluable service.

PROSPECTS

Since the close of the year under review turnover has been maintained I am glad to say and at this stage you may well expect me to attempt once again to make a forecast as to future prospects. In this connection it is as well to bear in mind that the rise in costs has not yet been arrested, although it may not prove to be unduly optimistic were I to express the view that a period of more stable prices may conceivably be approaching. Should this prognostication materialise it would naturally be a matter of undeniable benefit to your Company, as well as to many other manufacturing concerns similarly situated.

Once again it gives me pleasure to express my thanks and appreciation to all sections of the Pharmaceutical Trade for their valued co-operation, and also to thank the Company's staffs and our Marketing Agents, who have so largely contributed to the satisfactory results of the past year.

SPECIAL BUSINESS

Finally I would draw your attention to the special business at the General Meeting relating to the Company's New Articles of Association. The existing Articles were adopted when the Company was incorporated in 1928. Since that time many changes in practice have occurred and the Companies Act, 1948, has made considerable alterations in the law relating to Companies. Your Directors therefore consider that the Company's Articles of Association should be brought up to date.

The Report and Accounts were unanimously adopted, and a final dividend of twopence per share, less Income Tax, for the year was passed.

The Special Resolution dealing with the Company's Articles of Association was duly carried.

The retiring Director, Mr. E. Oswald Toft, was re-elected, and the remuneration of the Auditors, Messrs. Oakley, Wederell & Co., having been fixed, the proceedings terminated with a cordial vote of thanks to the Chairman, Directors and Staff.

90-second participations on London programme (Associated Television, Ltd.) September 21st and October 5th.

15-second spots on Yorkshire and Lancashire 5tations (Granada T/V Network, Ltd.) commencing June 17th.

15-second spots on Scottish programme (Scottish Television, Ltd.) commencing September 15th.

BOOKED June 17th

510 seconds of T.V. ADVERTISING



for

NURSE HARVEY'S

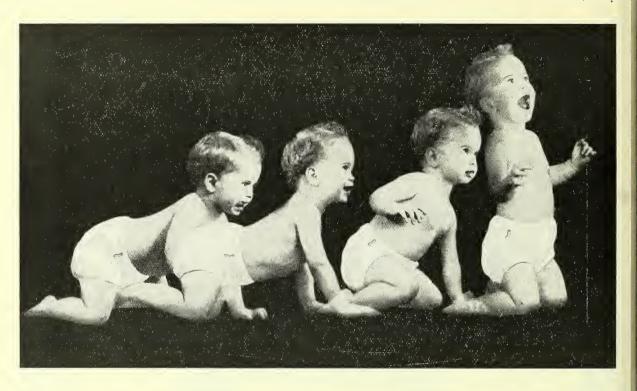
MIXTURE

★ Television advertising MAGNIFIES sales. The appearance of a product—particularly a domestic product—on T/V is followed inumediately by a rise in public demand.

Don't be caught short! Stock up on Nurse Harvey's Mixture and Baby Powder in good time—and show your stocks prominently! Show material for the Mixture and the Powder is available from:

HARVEY-SCRUTON LTD. Manufacturing Chemists, 4 Barker Lane, YORK





Playtex Baby Wear—America's topselling baby line now being featured in Britain's leading departmental stores and children's shops.



Are you getting your share of the profits from this fast selling line?

In America over *half* the babies wear Playtex Waterproof Baby Pants. Now they are here for British babies. (Playtex Bibs and Waterproof Cot Sheets, too.)

The greatest ever baby wear advertising campaign is behind this tremendously valuable new line. Stock Playtex! Display Playtex! Get your share of the recordbreaking traffic and profits!

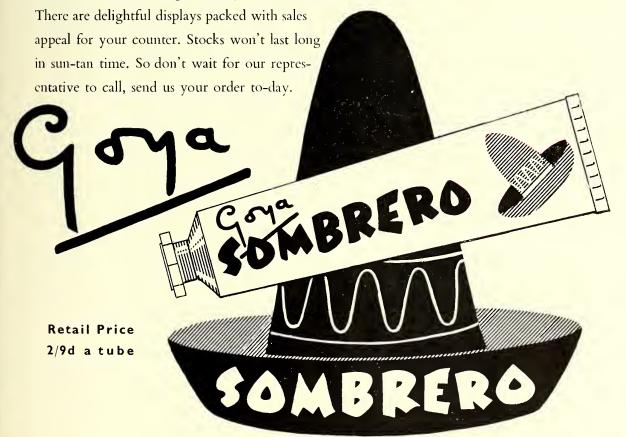
© 1957 * TRADE MARK

PLAYTEX PARK, PORT GLASGOW, SCOTLAND. LONDON OFFICE: 17 STRATTON STREET, LONDON, W.I



The longest of summer's sunny days will soon be here. Up goes the thermometer and up go the sales of sun-tan cream. Now is the time to order Sombrero — latest and most effective of sun-tan creams (it contains the new discovery Solprotex).

Sombrero will be more powerfully advertised than ever this summer.



GOYA · PARIS · LONDON · NEW YORK

136,980,100 BARTEX

before them this summer

When the Daily Express total of big Bartex advertising exceeds the twelve million mark you can certainly say that Bartex is in the public eye. This is the biggest advertising ever launched for sunglasses in Britain. It is more than double the volume of last year, when Bartex sold out well before the season ended. So be ready; get ready now for the biggest GO the sun trade has ever known!

See this THE XPRESS half page on Midsummer Day

In the neat 3 corner case with the Bartex Gold Label Guarantee



WHOLESALE ENQUIRIES TO ALFRED FRANKS &

yes are to have SUN Glasses













UNITED GLASS BOTTLE MANUFACTURERS LIMITED

8 LEICESTER STREET, LONDON, W.C.2

Telephone: GERRARD 86!! (23 Lines)

Telegrams: UNGLABOMAN, LESQUARE, LONDON



PACKED TABLETS
FOR COUNTER SALE

Manufactured by

RICHARD DANIEL & SON LTD.

PRICE LIST ON APPLICATION

MANSFIELD ROAD, DERBY

TELEPHONE - - 40671

40671 (8 LINES)

ALSO AT ASHTON-UNDER-LYNE
TELEPHONE 2816 (3 LINES)

In Hay Fever ...

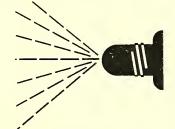


Sandosten Nasal Spray

(+ Calcium-Sandoz + Ephedrine)

Packing:

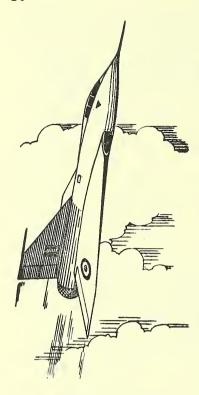
Plastic Nebulisers of 10 ml.



For long-lasting nasal decongestion in hay fever and vasomotor rhinitis

Treatment may be supplemented by:Sandosten + Calcium-Sandoz Syrup or Effervescent Tablets.

SANDOZ PRODUCTS LIMITED, LONDON, W.1



The ever soaring sales of Diuromil

DIUROMIL has the largest and fastest sale of all effervescent salts especially compounded for the relief of—

RHEUMATISM - LUMBAGO - GOUT - SCIATICA - FIBROSITIS

The reasons:

- A first-class product of proven therapeutic value.
- 2 Backed by a nation wide press campaign.
- 3 Approved and recommended by the medical profession.
- 4 Recommendations by satisfied users.

DISPLAY DIUROMIL and keep your sales in pace with the soaring National trend.

Very attractive show material gladly sent on request.



&

P.A.T.A.

PHARMAX LIMITED . GRAVEL HILL . BEXLEYHEATH . KENT





Have you seen

new beautifully designed show card size 23" x 17½" in 6 bright colours?

Supplied with two side panels each 17"x10" the whole making an attractive window display, or can be used separately as counter show cards

NOW IS THE TIME

to make a window display and ensure a steady flow of repeat orders for

"AUTUMN SUN"

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THE CHEMIST AND DRUGGIST

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 167

June 8, 1957

No. 4033

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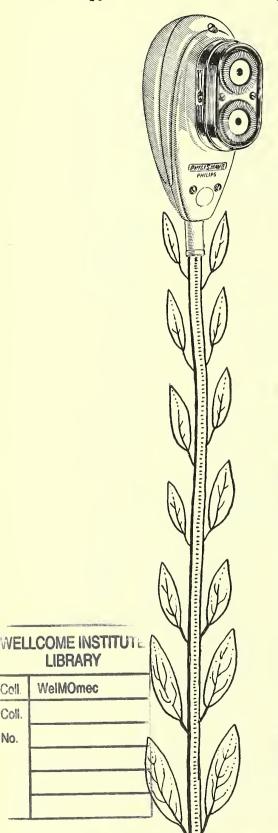
INDEX TO ADVERTISERS, Pp. 5 & 6.

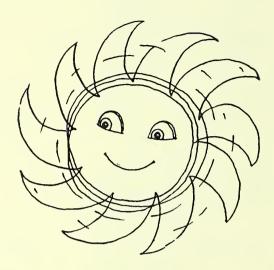
PUBLISHED BY MORGAN BROTHERS (PUBLISHERS), LTD., at 28 Essex Street, Strand, London, W.C.2

> Telephone: Central 6565 Telegrams: Chemicus, Estrand, London

Branch Offices:
BIRMINGHAM, 2: 111 New Street. Phone: Midland 2921.
GLASGOW: 35 Kingslynn Drive, King's Park, S.A. Phone: Langside 2813.
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CHEMIST AND DRUGGIST

Volume 167

JUNE 8, 1957

No. 4033

Minister visits Laboratories

MR. VOSPER SEES POLIO VACCINE MADE

THE Minister of Health (Mr. Dennis Vosper), accompanied by the deputy chief medical officer, Ministry of Health (Dr. G. A. Clark), visited the virus research laboratories of Glaxo Laboratories, Ltd., Sefton Park, on May 30 to see Polivirin, the company's anti-poliomyelitis vaccine, being produced.

He was met by Sir Harry Jeph-cott (chairman of the company). Mr. H. W. Palmer (managing director), Dr. A. H. Campbell (director, fermentation research division) and Dr. W. Wood (in charge of the Polivirin project). The Minister, after donning a white coat and signing the visitors' book, and party saw vials being washed and sterilised, processes in anti-poliomyelitis vaccine production, the making of bulk virus, assay procedures, and safety testing methods. In the fermentation research division Mr. Vosper saw demonstrated the isolation and evaluation of antibiotics. After lunch the Minister went to the company's headquarters at Greenford to see Polivirin being filled ready for dispatch and the recently erected biological department, in the virus research unit of which research work is being carried out in connection with freeze-dried B.C.G. vaccine.

First Aid on Farms

WHAT EMPLOYERS MUST PROVIDE

EMPLOYERS of agricultural workers are being required, from August 1, to provide certain first-aid items for use by those workers. The requisites and appliances, which have to be provided in first-aid boxes (or cupboards) and containers, must include sterilised dressings and waterproof adhesive dressings of certain specified sizes, triangular bandages and absorbent cotton wool. One copy of a first-aid leaflet issued by the Agricultural Ministers must be provided in each box or container. Boxes and containers must be conspicuously marked "First Aid." A period of about two months has been allowed before the Regulations come into force, so that employers may have reasonable time to obtain the required materials or the ready-made kits which some manufacturers are preparing. Copies of the leaflet will be available from local offices of the Ministry of Agriculture, Fisheries and Food, or from the Ministry's publications branch, Soho Square, London, W.1, or the Department of Agriculture for Scotland, Broomhouse Drive, Edinburgh, 11. The regulations giving effect to the above requirements are the Agriculture (First Aid) Regulations, 1957 (S.I., 1957, No. 940).

Copies are obtainable from H.M. Stationery Office, price threepence.

The contents of the first-aid box which must be provided wherever a worker is employed on an agricultural unit, are as follows, the numbers in parentheses after each item being the quantity for three or fewer and more than three workers respectively:

Sterilised wound dressings: (a) finger dressings, containing either absorbent or boric acid lint (3, 6); (b) small plain wound dressings (2, 3); (c) medium plain wound dressings (2, 3).

Triangular bandages, 51 x 36 x 36 in.

Waterproof adhesive wound dressings, $1\frac{1}{2} \times 2$ in. and 2×3 in. (3, 6).

Absorbent cotton wool, $\frac{1}{2}$ -oz. (1, 2). The contents of the first-aid container which must be provided by an employer of thirty or fewer workers on an agricultural unit are the same as the contents of the first-aid box for more than three workers. One container is required for each thirty or fewer workers except that three workers of the total can be disregarded if a first-aid box for three workers is provided and ten workers can be disregarded if a first-aid box for more than three workers is provided. Not more than three containers need be provided in any one unit.

Officers of the Society

COUNCIL SELECTS PRESIDENT FOR 1957-58

THE Council of the Pharmaceutical Society at its meeting on June 5 elected Mr. Donald W. Hudson *President* and





Mr. D. W. Hudson

Mr. G. H. Hughes

Mr. Gwilym H. Hughes Vice-president for 1957-58. The other officers are unchanged.



GETTING DOWN TO IT: The Minister of Health sees for himself how anti-poliomyelitis vaccine is prepared at the Sefton Park premises of Glavo Laboratories, Ltd.

Pharmacy on Show

AT "FESTIVAL OF WOMEN"

THE School of Pharmacy, Chelsea Polytechnic, is occupying on June 7 and 8 and 10-13 the scientific section of a Ministry of Education stand (No. 9) at a "Festival of Women" exhibition berestrict of women exhibition being held at the Empire Pool, Wembley. The exhibit is taking the form of a small production line illustrating the preparation of sterile solutions for injection. The solutions prepared on the stand are being packaged in ampoules, sterilised by autoclaving, inspected for clarity by polarised light and finally labelled and packed into cartons. The production line is being operated by three women students, and a member of the School's staff will be on duty to answer the more difficult technical queries and to deal with inquiries about training courses.

Leprosy Drugs Warning

TOO MUCH RELIANCE ON ONE METHOD?

A WARNING about "the modern tendency to rely a little too much on the sulphone drugs" in the treatment of leprosy was given by Dr. J. Ross Innes (medical secretary, British Empire Leprosy Relief Association) at the Association's annual meeting on June 4. Dr. Innes said it was a mistake to think that "if we get those [drugs] into the patient, all will be well." Leprosy was too tough a disease to be conquered by "using only a part of the armament." He insisted on the use of all public health measures from leprosaria to teaching and propaganda. At an extraordinary meeting after the annual meeting a resolution that "Empire" should be deleted from the Association's title was approved.

Summer Influenza?

EPIDEMIC SPREADS TOWARDS EUROPE

ACCORDING to a World Health Organisation official it is "unfortunately quite impossible" to prevent the influenza epidemic, which began in the Far East and has now reached India, from spreading. About 500 passengers of the 900 on board the Dutch ship Willem Ruys suffered from influenza during a recent voyage from Indonesia to Rotterdam. 60 per cent. of the population in Manila have been affected and outbreaks have been reported from Formosa, Malaya, Indonesia and North Borneo. A sample of virus received from World Influenza Research Centre in London to be of a strain of virus A hitherto unknown. That probably accounts for the rapid spread of the epidemic for, the virus being so dif-ferent in character, there is no actively acquired immunity in the affected populations. Nor is there a vaccine availations. Nor is there a vaccine available and it is unlikely that one could be produced in sufficient quantity should the epidemic reach Britain in the next few weeks. Although so far the disease has been mild, with very few deaths health authorities are keeping a careful watch lest it should assume a more virulent form, as happened in the 1918–19 world epidemic.

Hospital Supplies

MINISTER ON JOINT CONTRACTING

ADDRESSING the annual conference of the Association of Hospital Management Committees at Torquay on May 31. Mr. D. Vosper (Minister of Health) referred to the recommendations made by the Committee on Hospital Supplies appointed by the Central Health Services Council urging hospitals to take part in joint contracting schemes for hospital supplies (see C. & D., March 23, p. 323). He was surprised that the response to appeals on those lines by previous Ministers of Health had been generally disappointing. There had never been any suggestion that joint contracting should be accepted by hospital authorities unless it would lead to economies in a particular area without any general lowering of standards. Referring to fears that joint contracting might on occasion lower quality, he said that the effect of such schemes where they had been seriously tried had not been to reduce standards for the majority, but rather to improve them without any corresponding in-crease in cost.

Manufacturers' Agents

ASSOCIATION'S ANNUAL LUNCHEON

proposed European Common Market and European Free Trade Area were the main topics dealt with by Sir Lancelot Joynson-Hicks, M.P., in his toast to the Manufacturers' Agents' toast to the Manufacturers' Agents' Association of Gt. Britain and Ireland at the Association's annual luncheon held in London on May 29. Notwithstanding the difficulties that the new proposals would bring to Britain it was vtially necessary that the country should participate, for already one-eighth of the exports went to the Common Market countries. As the link between manufacturers and customers, the Assomanufacturers and customers, the Associations' members played a most important rôle. There would be a tremendous opportunity to increase the scope of their activities as the European market developed. Responding to the toast "Our Guests" were Mr. L de Wleye and Dr. M. Geerling Amster. Vlam and Dr. M. Geerling, Amsterdam, president and secretary respectively of the International Union of Commercial Agents and Brokers, of which the Association is a member.

State Salaried Doctors?

LABOUR PARTY SPEAKER'S PROPOSAL

AT a conference of the Socialist Medical Association in London on May 19, Mr. A. Blenkinsop (chairman of the Parliamentary Labour Party's health committee) advocated a salaried medi-cal service under N.H.S. His reason was that there would, under that method, be less danger that the doctor would be deflected from his honest judgment of what the patient required. Mr. Blenkinsop had earlier said that it seemed rather hypocritical if general practitioners said: "We have got to prescribe all those things because we are under such pressure from our patients." It meant that the normal cthical standard of the profession was so low that the whole basis of self-

regulation of the profession was in danger. The position would be eased if doctors would accept a form of salaried service. A resolution was passed opposing the shilling per item prescription levy.

1958 Pharmacopæia

INCREASED NUMBER OF MONOGRAPHS

MONOGRAPHS in the 1958 British Pharmacopœia, at present under pre-paration, show an increase of 10 per cent, over the number included in the 1953 Pharmacopæia, states a recent report of the British Pharmacopæia Commission to the General Medical Council. It is proposed to publish the 1958, Pharmacopæia in the spring of 1958, the date on which the new edition becomes official being about six months after publication date.

IRISH NEWS

THE NORTH

Hospital Pharmacies

POOR CONDITIONS CRITICISED

THE condition of hospital pharmacies in Northern Ireland was criticised recently by Mr. A. Templeton (a member of the Northern Ireland Hospitals Authority). Mr. Templeton is now preparing a report for the Authority on facilities for modernisation with suggestions for further methods of improvement of pharmacies under the Authority's supervision. Mr. Templeton had said that the conditions of haspital had said that the conditions of hospital pharmacies generally was practically unchanged from half a century ago, which he considered "emphatically undesirable." He thought that the Authority should appoint a consultative pharmaceutical committee to consider the position.

THE REPUBLIC

Health Scheme Cost

COMMENTS IN DAIL

DURING a debate on the Health Act in the Dail recently, Mr. D. B. O'Malley said that fees earned by some doctors under the Health Scheme were a contributing factor to the high cost of the Scheme. Dispensary doctors were paid up to £1,000 a year and were also supplied with expensive free drugs and medicine. There was nothing preventing dispensary doctors attending private patients and making use of free drugs supplied by the local authorities. There was no register kept.

IRISH BREVITIES

THE NORTH

ON May 8, Belfast photographic dealers and their assistants toured the works of McInnes & Walton and the Belmont Photo Works, the arrangements being made jointly by the Photographic Dealers' and the Wholesale Photo Finishers' Associations. A similar tour was arranged the following day for provincial members. [Corrected note.] ted note.]

THE REPUBLIC

THE Animal Remedies Act, 1956, comes into operation on June 12. (See C. & D., February 16, p. 188.)

NEWS IN BRIEF

THE Ovaltine Jersey herd gained ten awards at the Hertfordshire show, Childwickbury, St. Albans, on May 16.

REPRESENTATIVES of local councils are discussing the possibility of charging higher fees for the verification and stamping of weights, measures and similar instruments.

An increase of £7,482 to a total of £47,720 over sales for the corresponding period in 1956 is reported by Peterborough Co-operative Chemists, Ltd., for the half-year ended March 16.

The executive council of the Union of Shop, Distributive and Allied Workers, in a statement issued on June 3, strongly condemned the action of the Government in withdrawing the Shops Bill.

THE Ministry of Health states that it appears that the sale and supply of Sigmamycin (a mixture of tetracycline and oleandomycin) is subject to the provisions of Part II of the Therapeutic Substances Act, 1956.

THE Board of Trade recently published Regulations (S.I. 1957, No. 864), dealing with the computation of the cost of production of imported goods for the purposes of the Customs Duties (Dumping and Subsidies) Act, 1957.

The Board of Trade is considering an application for drawback of duty in respect of imported α-ethylbutyric acid used in the manufacture of carbromal and acetylcarbromal and in respect of imported iso-valeric acid used in the manufacture of bromvaletone.

SPORT

Golf.—Liverpool Chemists' Golfing Society, Woolton golf club, on May 26. Pfizer prize, 1, W. H. Shaw; 2, E. P. Prebble. Chas. H. Phillips prize, 1, E. W. Clinton; 2, J. M. Broadbent. South London and Surrey Pharmacists Golf-

SOUTH LONDON AND SURREY PHARMACISTS GOLF-INO SOCIETY, at West Surrey golf club, Milford, on June 2. Stableford competition (tankard donated by the treasurer):—1, W. J. Baldock, Croham Hurst, 31; 2, F. Jamieson, Shirley Park, 27; 3, W. McGeorge, Addington Court, 26. Visitors, 1, W. Sturton, Shirley Park, 31; 2, S. King, Croham Hurst, 28; 3, C. Chell, Addington Palace, 27.



hoto by W. Marshall Sloan, Crieff.

TALWARTS ALL: Since the inception in 1921 of the annual meeting at Gleneagles of the Scotisth Chemists' Golf Association, these four members hetween them have missed only three leetings. They are Messrs. J. F. Robertson, dlinhurgh; J. Robertson, Dundee (missed two); b. Scott, Edinburgh (missed one); and J. Findlay, dinhurgh. (See C. & D., May 25, p. 557).

TOPICAL REFLECTIONS

By Xrayser

Sobering Thought

Some six months ago, in a paragraph referring to the kind of tables of costs and averages that are designed to make breakfast in the doctor's home a happy occasion of jest and youthful jollity, I made reference to the inquiring mind. Glancing through the details of the scheme that prompted the paragraph, I was reminded of a youth I had known in my far-off schooldays. His passion was the memorising of most valuable facts, such as the number of pennies it would take, in a straight row, to stretch from London to Bristol. He knew, also, how long it would take to walk to the moon, proceeding at a regulation pace. In mentioning my erstwhile friend I wrote that, though I had not seen him for over forty years, I could trace his hand in the hospital returns and in the doctors' data. He has turned up again, this time in Scotland, where his ideas of impressing people have found fertile soil in Renfrewshire. We are informed (p. 583) by the chairman of Renfrew Executive Council—and no one other than my old friend could have suggested the topic-that if one man were to consume the eleven million prescriptions dispensed in the county under the National Health Service, he would need to swallow day and night for 1,883 years. Mr. T. Hunter, in submitting his annual report, also stated that 356 million teaspoonfuls of medicine and 300 million pills would have to be taken. Imagination boggles at the prospect, and before starting the poor man on his prolonged treatment it might be wise to ascertain whether the ingredients are all compatible. It would be a pity if he were to die of the treatment before reaching the ripe old age of 1,883.

Educational Policy

As might have been anticipated, Mr. Allen Aldington failed to extract any official response to his thoughtful questions (p. 590) on the Pharmaceutical Society's educational policy. The president merely replied that he could not give an answer while the education subcommittee was still considering its report. That report will presumably reach the Council via the Education Committee of the Council itself, and one wonders whether an ad hoc committee was quite the body to deal with the matter. Surely the advice of the educationists could have been obtained widely in an advisory capacity without any great disadvantage. Many will share Mr. Aldington's regret that the integration or absorption of the school of pharmacy formerly at Bloomsbury Square has meant that the Pharmaceutical Society's own diploma has been completely submerged. On the subject of practical training, there is no argument but that the replacement of extemporaneous dispensing by the ready-prepared proprietary preparation has reduced the variety at the dispensing bench, so that many of the traditional prescriptions are nowadays met only in college. But it cannot be emphasised too strongly that the gentle art of dispensing is only one of the onerous duties of the pharmacist. I agree with Mr. Aldington in his view that practical training helps to develop personality. Indeed, it hastens maturity.

New Preparations

Scarcely a week passes without the launching of new projects, and many of them show the result of research to overcome perhaps minor disadvantages attaching to new drugs. In no direction has that been more in evidence than in connection with the antibiotics. In last week's issue there appeared descriptions of improved forms of tetracycline, where use has been made of a buffering agent for the purpose of increasing the potency of the drug. One or two pharmacists, with whom I have discussed the change, agree that advances of this kind are a credit to pharmaceutical research. At the same time they are concerned in the matter of stocks already held of the original (unbuffered) tetracycline. It would be of interest to learn if any provision has been made for replacement of existing stocks.

NORTHERN IRELAND HEALTH BOARD

Dispute about payment for transport of oxygen cylinders

AT a recent meeting of the Northern Ireland General Health Services Board it was stated that a firm of chemists wished other arrangements to be made in its area for the supply of oxygen cylinders because "they were not prepared to accept a substantial loss." Referring to a previous minute on the firm who sought payment of £15 7s. 6d. for ten journeys to collect oxygen cylinders (see C. & D., January 12, p. 38) the ASSISTANT SECRETARY (Mr. W. Birnie) submitted further correspondence between the chemists and the Board to the Drug Pricing Committee. The chemists contended that they sought payment only of reasonable costs and were not prepared to accept a substantial loss. They would not accept a partial cost payment and requested that other arrangements should be made for an oxygen supplier in the district. The Committee agreed to adhere to its previous decision that, subject to the Ministry's approval, the Board should pay the cost of the return journeys from the chemists' shop to Belfast, excluding the driver's time.

Balance Not Adjusted

A recommendation from the services committee that £5 should be recovered from a firm of chemists was approved. Drugs dispensed by the firm for a test prescription had been found to have a sodium bicarbonate content 20 per cent. in excess of that prescribed. The manager of the firm told the committee that he had been cleaning the scale prior to weighing the ingredients for the pre-scription and had forgotten to adjust the balance. He could offer no explanation why the quantities of the other ingredients were correct except that, with the knife edge of the balance incorrectly adjusted various results might be obtained.

Mr. A. W. Kernahan (pharmaceutical officer) submitted a prescription on which a doctor had ordered a nebuliser and the chemist, because no cheaper atomiser was available, had dispensed a Glaseptic nebuliser and sought payment of 8s. 3d. The Committee agreed that payment of 8s. should be allowed. Three prescriptions for oxygen cylinders were submitted by a chemist who stated that, due to the lack of storage space by a patient, he had to supply the cylinders singly. He sought a dispensing fee for each cylinder and claimed payment of 14s. 7d. for carriage from Belfast of one cylinder urgently required. The Committee agreed to payment of a dispensing fee in respect of each cylinder and also, subject to the Ministry's approval, the carriage charge. A chemist who had supplied on prescription a self-retaining catheter and a 10-c.c. syringe to fit, was not allowed payment for the syringe because it was not prescribable.

Mr. Kernahan sought the views of the Committee on whether or not cortisone and aspirin could be considered a preparation of cortisone. Cortisone preparations were on the list of drugs for which dispensing doctors received payment additional to their capitation fees. The Committee agreed that cortisone

and aspirin could not be considered a preparation of cortisone nor could similar combinations with a drug not included in the special list. The Committee also decided that when two courses of Beneard's solutions were prescribed at the same time the prescription charge should be 2s. Mr. Kernahan submitted a prescription on which a doctor had ordered and a chemist had supplied two 6-in. Rayolast bandages, which were not included in the list of prescribed appliances. The Committee decided that payment should be made as for two 4-in. rayon elastic bandages. Mr. Kernahan sought the views of the Committee on the anomaly of the prescribing of drugs and appliances advertised to the public. The Committee agreed that the Ministry of Health should be approached to apply the same restrictions to appliances as to drugs.

Mr. Kernahan reported the results of two recent prosecutions by the Min-

istry of Home Affairs against two chemists where prescriptions had been dispensed by unqualified persons. After consideration, the Committee agreed that the matter should be referred to the legal adviser before deciding whether or not any action should be taken by the Board on a breach of his terms of service.

Mr. Kernahan reported that at a pharmacy where the chemist proprietor had died in March no qualified cover had been obtainable and that a local chemist had attended to dispense prescriptions received between March 21 and March 31. Those prescriptions had been forwarded to the Board for payment. The Committee agreed that the approval of the Ministry should be sought for payment either to the firm or to the chemist who dispensed them. They were not satisfied with the arrangements made because the chemist who did the dispensing had on occasions left his own pharmacy temporarily without cover, but they did not recommend any action in that connection

MAPPING BRITISH FLORA

Botanical exhibits at Royal Society conversazione

MAPPING the distribution of British Botanical Society of the British Isles set out to do in April 1954. A sample of the results achieved were exhibited at the annual conversazione of the Royal Society held in London on May There are about 2,000 species of vascular plants in the British flora and it is anticipated that before the survey is complete in 1959 some one and a half million records will be accumu-It is intended to publish the lated. final maps in a single atlas containing about two thousand separate maps. Revealed in the maps already completed are previously unsuspected patterns, explanation of which must be sought in terms of soil, climate and other environmental factors. In compiling the records the help of some 3,000 botan-ist volunteers has been enrolled. Finance for the scheme has been provided by the Nuffield Foundation and

Presented by Dr. P. W. Brian, Mr. H. G. Hemming and Miss Margaret Radley (Imperial Chemical Industries, Ltd., Akers research laboratories, Welwyn), another botanical exhibit showed the stimulation of growth and flowering by gibberellic acid. In the exhibit on dwarf peas a dose of 0.003 mgm. was shown to visibly increase growth rate over a period of several weeks. The effect is mainly to increase internode length by increased cell extension. Gibberellic acid also induces flowering of some plants under conditions of lighting and temperature which nor-mally do not allow flowering, and breaks the dormancy of some seeds and Many of those effects can be tubers reproduced under field conditions but more experience is required before the practical significance of the treatment can be assessed. Gibberellic acid is produced from the fungus Gibberella fujikuroi by a fermentation process. The fungus is a parasite of rice, infected fected seedlings growing taller than

healthy plants. Gibberellic acid, isolated in Great Britain in 1954, was the first pure growth-promoting material obtained from the fungus.

An exhibit on structure of viruses by Drs. R. E. Franklin, K. M. Smith and R. C. Williams (Agricultural Research Council, virus research unit, Cambridge) utilised photomicroscopy and a model to show a virus obtained from the larva of the crane fly. Using an electron microscope it was found that the virus was in the form of a regular polyhedron with twenty identical faces. The exhibit also described the work in progress on tobacco mosaic virus. The principal functions of the protein part of the virus appeared to be to provide a protective coating for the more fragile nucleic acid component and to facilitate the entry of the nucleic acid into the host cell.

Aid for Premature Babies

A working model showed the Glasgow Pneumotron electronic respirator, for preventing breathing deficiencies in the first few days of life. Introducing automation to the nursery, the unit is particularly intended for premature wards of maternity hospitals where temporary inability to breathe is one of the commonest causes of death. The respirator coaxes new-born babies to breathe. If the baby makes an effort to breathe, which it must be encouraged to do for itself, an electronic device operated by pressure opens a valve which rewards the baby with a measured dose of air. If there is a dangerously long pause, however, the machine changes over to an automatic cycle and delivers regular doses. As soon as the baby starts to breathe naturally again the control is passed over to the child.

Shown by Dr. F. Sanger was the atomic model of the insulin molecule, one of the simplest of protein molecules despite its formidable empirical formula of C₂₅(H₃₇₇O₇₅N₆₅S₆.

NEW OFFICES FOR A CHEMICALS MANUFACTURER

An official opening at Enfield

THE directors of Thomas Morson & THE directors of Thomas Morson & Son, Ltd., decided (see C. & D., January 12, p. 32) to transfer their offices on January 21 from Central London to the works at Wharf Road, Ponders End, Enfield, but until recently the office staffs have been working in somewhat cramped and congested conditions.

On May 21, at a ceremony attended by the mayor and mayoress of Enfield, a new office block was declared offici-ally open. The opener was Mr. L. J.



L. J. Morson ceremonially opens the new building by cutting a ribbon across the entrance.

Morson (a past chairman of the company) who, by special invitation, came in from his retirement to perform the



The new office building, as seen from Wharf Road, Ponders End.

ceremony in the presence of directors of the company and of Merck Sharp & Dohme, Ltd. (by whom it was acquired in February); the president of Merch & Color Merck & Co., Inc., the general manager (Europe and Near East) of Merck Sharp & Dohme International; the president of the Association of British Pharmaceutical Industry (Dr. T. H. M. Kerfoot) and its deputy secretary (Mr.

J. M. Kirkness) and their ladies; and the architects of the new building (Mr.

and Mrs. Kenneth Boyd).
Mr. Geoffrey T. Morson (managing director) welcomed the visitors and introduced his father, and MR. JOHN T. CONNOR also spoke, bringing greetings from the Merck organisation to "its youngest member." Afterwards the visitors were taken round the new offices.

POISONING BY HYPNOTICS

Scottish Department of Health "seriously concerned"

THE Department of Health for Scotland is seriously concerned about the number of deaths by accident or suicide caused by sedatives and hypno-

In the Department's report for 1956, published recently (H.M. Stationery Office, price 5s. 6d.) it is pointed out that in 1955 the number of deaths by accident or suicide caused by sedatives and hypnotics was thirty-two and fortyfive respectively, as compared with eight and ten in 1948. It would be difficult, says the report, to estimate the extent of habituation or addiction to those drugs but there are from time to time evidences to suggest that that is also a serious and related problem. Now to those are added, the report continues, tranquillisers.

To what extent the present frequency of psychoneurotic and psychosomatic disease was due to a real increase in incidence and not merely a more ready recognition of those forms of illness was difficult to say. The greatly in-creased quantities of sedative and hypnotic drugs prescribed could hardly be due solely to an increase in the incidence of such diseases and must be, it least in part, the outcome of the reater emphasis given to stress liseases and to changes in prescribing while the incidence of those nervous disorders in general practice ad for some years been regarded as ubstantial, it did not seem to have een suggested that there was any reent increase to correspond with the recease in prescribing of sedative and typnotic drugs. In 1947, 1949 and 950, for example, the percentages of rescriptions (N.H.I. and N.H.S.) for

phenobarbitone were 5.84, 6.97 and 7.298 respectively. By 1955 the figure had risen to 10.87 per cent. Bearing in mind the increase in the annual number of N.H.S. prescriptions dispensed (in 1949 there were just over 17,000,000 and in 1955 there were over 21,000,000) the increased use of phenobarbitone was even more striking.

The estimated number of prescriptions dispensed in Scotland in 1956 was 21,500,000, an increase of 295,000

over the previous year.

The average cost for the year at 69d. showed an increase of 4-8d, over the 1955 figure of 64-2d. The higher cost of prescriptions in 1956 appeared to have been largely due to the increasing incidence of the more expensive proprietary drugs and to a wide use of

rotary drugs.

The total cost of the pharmaceutical services (including payments to dispensing doctors) was about £5,593,000. The number of N.H.S. prescriptions dispensed in the pharmacy at the Sighthill Health Centre, Edinburgh, during 1956 had risen by about 3,500; and in addition to carrying out clinical tests for the doctors, the pharmacy was now supplying sterile syringes to the local health authority for the poliomyelitis vaccination campaign.

MANUFACTURERS' ACTIVITIES

Skin Cream for Mountaineers.—The six-man Yorkshire Himalayan Expedition, 1957, which recently left England for the Baspa Valley and neighbouring peaks, is taking with it a supply of a specially formulated protective cream developed by Rozalex, Ltd., 10 Norfolk Street, Manchester, for use at high

Plastics Manufacture Plans. — The plastics division of Imperial Chemical Industries, Ltd., is purchasing a site of approximately 90 acres on the outskirts of Darwen, Lancs (subject to planning approval for the use of the land for industrial purposes), for the manufacture of a wide range of pro-

Research Laboratories. — Work is now nearing completion on a research laboratory which the Triplex Group of companies is establishing at Holly Grange, Balsall Common, Warwicks, and which will include laboratories for x-ray diffraction, electron microscopy, physical chemistry, optics, thermodynamics and mechanical properties, as well as an instrument and equipment workshop and a reference library.

Phosphate Ship. — A ship specifically designed for the owners, Marchon Products, Ltd., was launched by Mrs. Frank Schon (wife of the chairman of the company) at Sunderland on May 28. The ship will be employed to carry phosphate rock from North Africa to Whitehaven, Cumberland, only a mile from the Marchon works. Special equipment has been installed at Whitehaven to facilitate unloading and the ship can return via Europe to deliver detergent chemicals. The ship will be continuously employed and indeed will not suffice to carry the company's total requirements of phosphate rock, the balance being made up by chartering.

INQUESTS

A Coroner Warns Doctors.—Because so little is known about a new tranquillising drug doctors were warned by the Stafford coroner on May 22 not to use it in general practice. He returned a verdict of "Death by misadventure" on a forty-three-year-old Wolverhampton woman, Mrs. S. B. Chesney, Hilton Road, Parkfields, who died in the Staffordshire General Infirmary to which she had been transferred after drugs had produced an agranulocytosis condition in the bone marrow. Until recently, said the coroner, Pacatal, which could damage bone marrow, had been obtainable freely over the counter in chemists' shops. The drug should be administered only to people who were psychotic, and then only when all other forms of treatment appeared ineffective. A pathologist said there had been "a good many" deaths from the drug. It was being widely used in mental hospitals because it had a good effect on psychotic patients, controlling aggressiveness. Blood counts taken in conjunction with the treatment gave a false sense of security because the suppression of bone marrow could happen suddenly. Counts must be taken every day, but even when the count had decreased the disease would have started.

Aspirins Within Child's Reach. A warning to parents to put aspirin tablets and other drugs out of the reach of small children was given by the coroner for South Worcestershire at an inquest at Evesham recently. child, Stephen Jordan, South Littleton, had died from acetylsalicylic acid poisoning. The child's mother said that from acetylsalicylic acid a bottle of aspirin tablets had been placed on the top of a china cabinet. Beside the cabinet was an armchair.
There were perhaps eight or nine tablets in the bottle. Stephen had been brought home by a neighbour after playing in her garden. Later Mrs. Jordan found parts of tablets on the scullery floor and the empty bottle on the floor of the sitting room. The child ate a good tea and appeared quite normal when put to bed. Later he was sick, but she thought he would be all right. His father found him unconscious next morning. The child was taken to Evesham Hospital, but died on the way. Answering the coroner, Mrs. Jordan said she did not realise Stephen had possibly taken a danger-ous dose of aspirin. A staff chemist at the West Midland Forensic Science Laboratory said the child had taken at least five or six tablets. Recording a verdict of "Death by misadventure," the coroner said: "This death emphasises the importance of keeping drugs and I use that expression to include domestic medicines like aspirin—in a place where young children cannot get at them. . . I think is it very impor-tant to emphasise that if any young child obtains access to an aspirin bottle, and it is thought he might have taken some, a doctor should be sent for immediately or the child taken at once to the nearest hospital. There is little doubt that, if the parents of this boy had realised the danger and had taken him immediately to hospital, his life would have been saved.

COMPANY NEWS

Last year's figures in parentheses.

ASHE CHEMICAL, LTD.—Group net trading profit for 1956 is £75,256 (£92,116). Dividend 10 per cent. (15 per cent.). Current assets £141,396 (£148,930), liabilities £94,527 (£99,600).

LEWIS & BURROWS, LTD. — It has been decided to make out of profit received from the sale of property a special cash distribution to stockholders of 5s., tax-free, for each £1 Ordinary held to holders who were registered on May 28.

ROLLS RAZOR, LTD.—Subject to audit, net trading loss of group for 1956 is £92,417 (loss £27,882); taxation adjustments relating to earlier years, £275. Net loss of group £92,692 (loss £24,182); deferred share dividend, nil (nil).

UNICHEM, LTD. — Net profit for 1956 was £51,164 (£28,150) after all charges except taxation. The amount set aside for taxation was £26,510 (£14,312) leaving £27,630 (£16,580) for allocation. Transfer to reserve was £17,881 (£8,417) after payment of the Ordinary dividend of 8 per cent., £6,084, and the Preference dividend of 6 per cent., £689.

P. H. GALLOWAY, LTD. — The board is now composed of Messrs. H. E. Howard (chairman, Eucryl, Ltd.), chairman; P. King, M.P.S. (general manager, Eucryl, Ltd.); A. W. Lovell, F.C.C.S. (director, Eucryl, Ltd.); secretary; W. M. Cox, F.P.S. (managing director, Herbert Ferryman, Ltd.); J. A. Major (director, Arthur Knight & Co., Ltd.); and E. Tarry (chairman and managing director, Spectacle Specialists, Ltd.).

BRITISH ALKALOIDS, LTD.—The statement by the chairman (Mr. E. Oswald Toft) circulated with the annual accounts for the year ended March 31, reports turnover down by rather less than $2\frac{1}{2}$ per cent. which is attributed, so far as the home trade is concerned, to the "exceptionally inclement summer of 1956." Sales in the export field show a satisfactory increase. Since the close of the year under review turnover has been maintained and the chairman believes a period of more stable prices is approaching.

ABBEY PARFUMERIE CO., LTD.
—Mr. Wilfred L. Gold was appointed

to the board as sales director on June 1.



Mr. W. L. Gold

MAY ROB-ERTS (IRE-LAND), LTD.

— The report and balance sheet for the year ending January 31 shows net profit on trading at £33,530, from which £15,147 was deducted for income tax and

profits tax. A sum of £3,000 was transferred to general reserve and £2,000 to staff pensions fund. A dividend on ordinary shares of 20 per cent. (less tax) is declared.

ASCOTTS PHARMACIES, LTD.—Group net profit year to September 30, 1956, is £9,774 (£10,796). Fixed assets £53,945 (£81,281), current £201,224 (£145,450). Liabilities, etc., £58,117 (£47,422). Preference dividend for half-year to March 1957 paid and it is intended to make regular half-yearly payments. The chairman, Mr. J. E. O. Arnold, feels the time has arrived when Ordinary holders may look forward to dividends in the not-too-distant future. For part employment of the group's substantial funds, negotiations are in progress, "but it would be premature" for the chairman to disclose details at this stage.

New Companies

P.C. = Private Company; R.O. = Registered Office

JOHN HAYES (CHEMISTS), LTD. (P.C.).—Capital £5,000. To carry on the business of manufacturers of and dealers in chemicals, gases, drugs, etc. Directors: John G. Hayes, M.P.S., and Lucy E. Hayes. R.O.: 9 Station Buildings, Ealing Common, London, W.5.

E. T. WEBB, LTD. (P.C.).—Capital £100. To carry on the business of general consultants to manufacturers of soap, glycerin, detergents, etc. Directors: Edwin T. Webb and Alice M. Webb. Solicitors: Gouldens, 40 Chancery Lane, London, W.C.2.

CHARSLEY (CHEMICALS), LTD. (P.C.).—Capital £100. To carry on the business of manufacturing, wholesale and retail chemists and druggists, etc. Directors: Rupert N. Smith and Cicely M. Smith. R.O.: Cranken, London Road, Chalfont St. Giles, Bucks.

J. POWELL & SON, LTD. (P.C.).—Capital £16,000. To carry on the business of cash drug stores, chemists, druggists, etc. Directors: John M. Powell, M.P.S., John A. Powell and Bryan H. Powell (director, John Bryan, Ltd.). R.O.: 59 St. Mary's Butts, Reading.

ARTHOL, LTD., has been formed to take over the activities of Arthol Manufacturing Co., Ltd., now in liquidation (C. & D., April 27, p. 458). Directors: J. F. Charpy (managing), E. D. Charpy and R. F. Morris. R.O.: Brassey House, New Zealand Avenue, Walton-on-Thames, Surrey.

BUSINESS CHANGES

MR. OWEN D. LYNCH, Ph.C.I., has opened a pharmacy at Parnell Street, Ennis, co. Clare.

Appointments

BRITISH OXYGEN CHEMICALS, LTD., have appointed Mr. A. J. Oxley, M.Sc., production manager at their works at Chester-le-Street.

RONALD ADAIR & CO., LTD., have acquired the business of Mr. J. A. Shedden, M.P.S., Hunter Street, East Kilbride.

OVERSEAS VISIT

MR. K. A. MITCHELL (sales manager, Manesty Machines, Ltd.), is commencing a tour of Africa on June 12 visiting the following countries: Nigeria, Ghana, South Africa, Portuguese East Africa, Rhodesia, Kenya, Uganda and Sudan.

IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

MR. R. A. BUTLER (Home Secretary) announced on May 30 that the Government had decided that it would not be practicable to proceed with the Shops Bill in the present session. He could not give any undertaking about the future. Asked by Mr. A. ROBENS if the Government would favourably consider the reintroduction of legislation, next session, to implement the Gowers Committee report, Mr. BUTLER said that he could not go further. The Gowers Committee recommendations covered a wide field. In addition to shops, Part II of the Gowers report included far-reaching suggestions for legislation that would take even more time than the present Shops Bill, which was largely concerned with regulating the hours of work in shops. It was the second part which dealt with conditions in shops. He could not go further than to say that the Gowers recommendations were, of course, of great importance.

Trade with China

MR. SELWYN LLOYD (Foreign Secretary) announced on May 30 that the strategic controls on exports to China are being aligned with the existing controls on exports to the Soviet bloc. Exporters interested in any items which were not embargoed to the Soviet bloc should communicate with the Export Licensing Branch of the Board of Trade.

Private Patients

MR. DENNIS VOSPER (Minister of Health) told MR. J. HALL on June 3 that the provision of a selected list of drugs for private patients would raise many problems of great difficulty, one being that legislation would be required. In addition, there would have to be some control over doctors who were not at present in the National Health Service. Discussions on the matter were about to take place between the Department and the British Medical Association.

Leprosy

MR. J. K. VAUGHAN-MORGAN (Parliamentary Secretary to the Ministry of Health) told DR. B. STROSS on June 3 that the director general of the World Health Organisation had recently reported on improved prospects for control of leprosy by sulphone drugs but had pointed out that many technical problems remained including such questions as optimum drug preparation and dosage schedules, diagnostic techniques, and criteria of infectivity. Basic cost of sulphone drugs in tablet form for the treatment of a leper for about two years would be about 12s. By injection, the cost would be at least 50 per cent. more. There were other diseases with which the World Health Organisation had to deal and it should be left to the Organisation to deal with priorities.

Cost of Prescriptions

Mr. DENNIS VOSPER (Minister of Health) told MAJOR TUFTON BEAMISH on June 3 that examination of a sample of prescriptions dispensed in

December 1956 showed that the increase in the cost of individual pre-scriptions of about fivepence was probably almost entirely due to the ordering of larger quantities. There was no ing of larger quantities. There was no increase in the proportion of proprietaries for December 1956. Mr. VOSPER told Dr. EDITH SUMMERSKILL that when Mr. Turton was Minister of Health he had said that one of the ways to avoid hardship would be to prescribe larger quantities for those who suffered from chronic illness. That was what had happened and he, Mr. Vosper, believed that that was why the cases of hardship were few. Mr. Vosper told Mr. R. W. Sorensen that the trend of costs since December suggested that the increased average cost had continued. The number of prescriptions had also been much lower than a year ago, but that must be caused partly by the low incidence of sickness. The anticipated saving and the actual saving would be about the same. Mr. Vosper told Mr. A. Blen-KINSOP that the ordering of larger quantities was not wasteful if there was a continuing need. THE MINISTER told DR. SUMMERSKILL that he had seen allegations to the effect that most people had in their cupboards unused tablets, lotions and ointments which had cost the country a great deal of money but he had no evidence that they were true.

Vitamins for Children

MR. J. K. VAUGHAN-MORGAN (Parliamentary Secretary to the Ministry of Health) told MR. J. E. B. HILL on June 3 that the Minister of Health was satisfied that children up to the

age of five years needed an adequate source of vitamin D and that national cod-liver oil was one of the best sources of that vitamin and of vitamin A. He welcomed the opportunity of drawing attention to the value of codliver oil, particularly in view of the low uptake.

Restrictive Practices Court

SIR REGINALD MANNINGHAM-BULLER (Attorney General) told MR. E. D. L. DU CANN on June 3 that he could not say when the first sittings of the Restrictive Practices Court would be held. Considerable progress was being made. The first eight notices of reference had been issued (see C. & D., April 20, p. 452). The next stage was to obtain the representation orders. Five of those orders had been obtained and negotiations in respect of two others were proceeding. One of them involved an organisation with 8,000 members, and negotiations on that were bound to take a little time. [The Chemists Federation has about 8,000 members.]

Antidote for Nerve Gases

MR. AUBREY JONES (Minister of Supply) told MR. P. NOEL-BAKER, in a written answer on June 3, that an antidote to nerve gases was available to protect against moderate doses. Considerable progress had been made towards finding an antidote effective against more severe doses.

Multiple Packs

MR. DENNIS VOSPER (Minister of Health) told MRS. E. WHITE, in a written answer on June 3, that suggestions from the British Medical Association concerning prescriptions for multiple packs for patients with long-term illness or disability were received two weeks ago and were now being considered.

LEGAL REPORTS

Conditional Discharge

AT Burnham-on-Sea, Somerset, magistrates' court recently, Barbara Reed, a nursing sister, who had pleaded guilty to obtaining drugs by means of a forged prescription, was given a conditional discharge on payment of costs.

Unlawful Possession

PACKAGES containing prepared opium were found sewn to a mattress in a cabin used by a Chinese seaman, it was stated at Ellesmere Port magistrates' court recently, when Lun Chew, a fireman-cook was fined £25 for unlawfully possessing 10 oz. of opium.

Corrective Training

A SENTENCE of three years' corrective training was imposed at Newcastle-on-Tyne magistrates' court recently on Roy W. Jackson after he had been convicted of obtaining tablets of diamorphine hydrochloride from a Newcastle chemist by forged prescriptions.

On Probation

A SUTTON, Surrey, woman was placed on probation for two years and ordered out-patient treatment at St. Helier Hospital when she appeared at Sutton magistrates' court recently on a charge of forging a prescription for fifty tablets of Drinamyl. A probation officer told the court that the woman, Mrs.

L. E. Knight, had been under considerable stress, but was willing to cooperate. Mrs. Knight had been remanded for three weeks at a previous hearing at which she had admitted forging the prescription, and had asked for twenty-nine other cases to be taken into consideration.

An Appeal Dismissed

DURING the hearing of a case at Cheshire quarter sessions appeals committee on May 23, Mr. Herbert Bamford (a chemist at the Forensic Science Laboratory) stated that Genetex health pads, described by their vendor as "the scientific discovery of the age," contained only cotton wool, sawdust and cereal dust; they had no medicinal properties. The magistrates dismissed the appeal by Joseph Pakeit, Edward Street, Aldershot, against a conviction by Wallasey magistrates, on April 12, for obtaining 5s, by false pretences by sales of the pads. Pakeit, who stated that he had been selling the pads in England for the past seven years, denied using the word "cure" or that there were any notices about curing migraine or sinus trouble. He only claimed to relieve pain. He was a fully qualified masseur, and the pad was a massage pad, which he made himself. It contained herbs. He denied that it contained sawdust.

MARRIAGES

GUNN — MUNRO. — At St. Giles' Cathedral, Edinburgh, on May 25, Donald A. B. Gunn, M.P.S., c/o 33 Denny Street, Inverness, to Marta Sinclair Munro, 64 Sighthill Park, Edinburgh.

TURNER—McBRIDE.—At. St. Andrew's Presbyterian Church, Wembley, on June 1, Scriven J. Turner, M.P.S.,





Mr. and Mrs. Scriven J. Turner

103 All Souls Avenue, London, N.W.10, to Agnes P. McBride, M.P.S., 25 Park Parade, Harlesden, London, N.W.10.

DEATHS

CHRYSTAL.—In a fire at his home in Trevor Square, Chelsea, on May 31, Mr. William A. Chrystal, aged forty-five. Mr. Chrystal was a joint managing director of British Chrome and Chemicals, Ltd.

CLARKSON. — On April 4, Mr. Charles Richard Clarkson, M.P.S., 41 Compton Road, Addiscombe, Croydon, Surrey. Mr. Clarkson qualified in 1915.

COOKE. — Recently, Mr. Frank Rowland Cooke, M.P.S., 40 Thackeray's Lane, Woodthorpe, Notts, aged forty-nine. Mr. Cooke set up his pharmacy on the Woodthorpe Estate twentyfive years ago. He is survived by his widow and two children.

COSGRAVE.—At her home, Frankfort Lodge, Inchicore Road, Dublin, on May 30, Mrs. Frances Josephine Cosgrave, widow of Mr. Patrick Cosgrave, M P S I

GARSED. — On May 18, Mr. William Garsed, F.P.S., F.R.I.C., Meriton, Ness Road, Shoeburyness, Essex, formerly of Staines, Middlesex, aged eighty-two.

HOWIE. — At Ayr, suddenly, on June 2, Mr. Alexander Young Howie, M.P.S., 1233 Pollokshaws Road, Glasgow, S.1. Mr. Howie qualified in 1927.

LAMPITT.—On June 3, Dr. Leslie Herbert Lampitt, Thornlea, Harrow-onthe-Hill, aged sixty-nine. Dr. Lampitt was a director and the chief chemist of J. Lyons & Co., Ltd., having joined that company in 1919 to found its research laboratory. He had a wide reputation as an industrial scientist specialising in food hygiene. He was secretary of the British National Committee for Chemistry, a past-president of the Society of Chemical Industry, and treasurer of the International Union of Pure and Applied Chemistry for whose conference in London on "Surface Activity" in April he was largely re-

sponsible. He is survived by his widow and a son.

LAND.—Recently, Mr. John Henry Meginley Land, M.P.S., 86 Leagrove Road, Luton, Beds, aged eighty-four. Mr. Land carried on a pharmacy for many years in High Street, Coalville, until he removed to Luton to carry on business there.

MACGREGOR. — On May 20, Mr. Alexander MacGregor, M.P.S., Bridgend, Dunning, Perthshire, aged seventy-five. Mr. MacGregor was formerly in business for many years at the Craigie Pharmacy, St. Leonard's Bridge, Perth.

MEAKINS. — Recently, Mr. John James Meakins, M.P.S., 19 Norwich Drive, Cheltenham, Glos, formerly of 15 Croft Road, Evesham, Worcs, aged seventy-nine. He was in business as a pharmacist in the Market Place, Evesham, from 1911 until he retired in 1945.

MEES. — In hospital, suddenly, on June 1, Mr. Arnold Marshall Mees,



M.P.S., 69
Queens Road,
Urmston,
nr. Manchester.
Lancs, aged
forty-six. Mr.
Mees was chief
pharmacist at
Park Hospital,
Manchester, and
immediate pastpresident of the
Guild of Public
Pharmacists. He
was present as
treasurer at the
annual meeting

of the Guild in Edinburgh only a week before his death. He was a member of the King George V Lodge No. 3529. He is survived by his widow and two children.

Miss E. P. Button writes: The Guild of Public Pharmacists and hospital pharmacy have sustained a tragic loss by the sudden death of Mr. A. M. Mees. Always a wholehearted sup-porter of the Guild, he gave himself unsparingly to the service of hospital pharmacists. He was treasurer and immediate past-president of the Guild, chairman of the staff side, Pharmaceutical Whitley Council Committee C, and a co-opted member of the Pharmaceutical Society's Public Services Committee. In those positions he Committee. In those positions he worked extremely hard and gave himself unremittingly to a policy for the betterment both professional and economic of all. He was a man of sterling character, with a high sense of humour, always generous with his time, no matter when the need arose. I personally knew him as a gentleman, always willing to help a colleague, and cannot speak too highly of him as a friend. He had the gift, given to few, of a charming manner coupled with a sense of humour and so could be pleasant to everyone, yet if the need arose he could speak his mind without giving offence to anyone. Hospital pharmacy will not easily replace him. Members of the Guild Council and of the Guild will miss him greatly but will be sustained by the example of his unfailing loyalty and kindness to everyone.

PERSONALITIES

MR. R. FOX, M.P.S., Market Hill, Diss, Norfolk, has been returned unopposed to the urban district council.

MR. JOHN S. STRUTHERS, M.P.S., Innerleithen, has been made a justice of the peace for Peeblesshire.

DR. J. M. ROWSON (curator of the Museum of the Pharmaceutical Society



of Great Britain) has accepted an appointment as accepted department of pharmacy in the Nigerian College of Arts, Science and Technology. Dr. and Mrs. Row-son and their two small daughters hope to take up residence in Ibadan

towards the end of September. The Nigerian College of Arts, Science and Technology, which was established in 1952, has as its function the professional training of men and women for the whole of Nigeria. A new pharmacy department is being built at Ibadan and it is hoped to be in operation by 1958. Courses are being provided initially for a professional diploma examination to be followed subsequently by degree studies. Dr. Rowson has been curator of the Society's museum since 1949. In that period the new research laboratory in Galen Place has been equipped and the museum experimental gardens at Birdsgrove House, Mayfield, set up. He is a member of the Society's board of examiners for England and Wales, an examiner for the Pharmaceutical Society of Ireland and an external examiner for degrees in pharmacy of the Universities of Glasgow, London and Nottingham. He is a member of the British Pharmaceutical Codex Revision Committee and of its two vegetable drugs subcommittees, also of the vegetable drugs subcommittee of the British Pharmacopæia. He is a member of the Society of Analytical Chemistry and Pharmaceutical Society Joint Committee, of its working panel on digitalis and is chairman of its working panel on anthraquinone drugs. He is also a member of the History of Pharmacy Committee of the Society, and of the council of the Royal Microscopical Society. He was one of the founder members of the Franco-British Pharmaceutical Commission. Rowson was born in Louth, Lincs, where he served an apprenticeship in private retail pharmacy. He studied in the University of Manchester where he graduated B.Sc.(Pharm.) first division in 1935, taking Ph.C. 1936, M.Sc. by research in 1937 and Ph.D. by research in 1945. He also took the London external B.Sc. with honours in botany in 1941. He was demonstrator, then assistant lecturer in pharmacy in the University of Manchester before taking up appointment as head of the department of pharmacy in Sunderland Technical College in 1944, a post which he held until 1949 when he became curator.

BRANCH MEETINGS

SOMERSET

June 8, 1957

Thumb Index Wanted

LACK of a thumb index in the new British National Formulary was criticised at a joint meeting of the Somerset Branches of the National Pharmaceutical Union and the Pharmaceutical Society, held recently. Dr. K. R. CAPPER (editor of the Pharmaceutical Society's scientific publications) said that it was a question of cost and time but the Somerset Branches thought that the additional cost involved would be negligible compared with the advantages.

ROMFORD

Protest at Information Withheld

A RESOLUTION deprecating the failure of the Council and/or the secretary and registrar of the Pharmaceutical Society to make available information relating to the question of commissions for pharmacists in the forces was passed at the annual meeting of the Romford Branch of the Pharmaceutical Society on May 27. The matter arose following reports from the Romford representatives at the Branch Representatives at the Branch Representatives at the Branch Representatives (C. & D., May 25, p. 564). A statement made by the secretary and registrar (Mr. F. W. Adams) during discussion on the Birmingham motion and the Romford amendment "that a Pharmaceutical Corps should be formed" was thought to be far from satisfactory. A copy of the resolution has been forwarded to the Pharmaceutical Society. A telegram to the Society asking what action the Council intended to take on a Coroner's remarks concerning the labelling of prescribed containers reported in the Press brought the information that the natter would be brought to the attenion of the Coroners' Society.

EDINBURGH

Lecture on Pharmacy in Sweden

THE organisation of pharmacy in weden was explained by MR. EDWARD VEISGLAS, a pharmacist from Kiruna, weden, at a recent meeting of Edinurgh and South-eastern Scottish ranch of the Pharmaceutical Society. It is outlined the early history of pharmacy in that country and said that harmacies were divided according to be geographical and communications onditions. Each district elected its wn committee. The committee dealt ith local affairs such as the appointment of local agents and also had to ibmit its opinion on matters consmittees. He pointed out that emloyees in a Swedish pharmacy could divided into pharmaceutical or chnical staff. The pensions regulatons for the pharmacist the right a pension at sixty-five years and a smale pharmacist at sixty. The pensons were paid by the Pharmacies' entral Salaries Office from the pothecaries' Annuity and Pensions und. The locum question gave little orry to the pharmacist as the pothecaries' Society directly empothecaries' Society directly empothecaries'

ployed some thirty-five pharmacists whose duty it was to do locum work.

PORTSMOUTH

Presentation to Secretary

At the thirty-third annual meeting of the Portsmouth Branch of the Pharmaceutical Society, held on April 25, Mr. W. R. D. Voke (retiring chairman), reporting on a successful year, said that outstanding items had been the annual dinner and dance, the regional conference held at Southampton, and the opening session social evening. He thanked two members of the branch (who wished to remain anonymous) for their services in providing projection equipment and duplicating services, without which the branch would have had a severe financial debit. Mr. J. C. BLOOMFIELD hoped branch activities would not have to be curtailed but that it would be possible to go ahead with a full programme, and that the Branch would continue to press for an increased grant. On behalf of the four immediate past-chairmen, Messrs. Griffiths, Chamberlain, Bloomfield and Voke, Mr. L. J. CHAMBERLAIN made a presentation to Mr. N. L. Banks (secretary) of a travelling clock.

LIVERPOOL

Branch Economics

"UNTIL the large uneconomic branch is divided into two or three smaller branches it will never show a profit," commented MR. J. P. MURPHY at the annual meeting of Liverpool Branch of the Pharmaceutical Society on May

30. The Branch meeting was preceded by the annual meeting of the Liverpool Chemists' Association, at which Mr. B. M. Kelly presided. Referring to the amount advanced by the Association to the Branch, Mr. M. A. Cooper said that if it was not for the existence of the Association the Branch would be defunct financially. Mr. Murphy pointed out that the Branch covered places outside Liverpool, such as Crosby. There would be a saving to Liverpool on printing, stationery and postages if the outlying places had their own branches. Presenting the treasurer's report, Mr. E. C. Bourns said the dance in aid of the Benevolent Fund raised £180. Mr. D. L. Rees (secretary), reported that there had been more support for the Branch and Association activities during the past year. "For those statistically minded," he said, "the average attendance at meetings held during the session increased from forty-five in 1955–56 to sixty-four in 1956–57, representing 8 per cent. of the total membership as against an average attendance of 6 per cent. last year." With the election of Mr. J. Farrer Barnes to the Council of the Pharmaceutical Society, two past-presidents of the Association were now serving on the Council, the other being Mr. W. J. Tristram. The secretary congratulated Miss M. C. Dodd on her election as president of the National Association of Women Pharmacists. On the suggestion of Mr. M. Spillane it was decided to circularise the 750 members of the Branch inviting donations, with a maximum of 5s. for the Branch chairman.

FESTIVE OCCASIONS

OLDHAM

Warning About Group Practices

SPEAKING at the annual dinner of Oldham Branch of the Pharmaceutical Society on May 2, MR. MITCHELL JACKSON (a member of the Society's Council) said that the Ministry of Health and the British Medical Association were encouraging doctors to set up in group practice. There was a danger that such groups in rural areas might seek to do more of the dispensing, so making it difficult for new pharmacies to open where a full pharmaceutical service was needed. Mr. Jackson said that science had made rapid but rational progress in producing new and powerful remedies. It was difficult, however, for the retailer to keep pace with duplication and formulation of the new products. The Society's Council had brought pharmaceutical organisations together to deal with that problem and he thought that manufacturers could render the profession a great service by establishing a "code of ethics" of their own. Whilst the Council had withdrawn its objection to the use of coloured tablets, he did not wish to see official tablets with different makers' marks. The pharmacist had a personal responsibility in observing the Pharmacy and Poisons Act and for keeping up-to-date with changes in the regulations: that was an essential basis for maintaining the Society's "code of ethics" which if

observed by conviction and not persuasion was the real basis for cooperation within the profession. The prestige of the Society should always depend upon its standards of education and service in the public interest. It should never depend upon its success or apparent failure in negotiations in the eyes of its members. The profession's weakness in the latter field was that pharmacy's professional standards were assessed by one employer under the National Health Service.

LIVERPOOL

New Association for "Old Boys"

FORTY-FIVE former students of the School of Pharmacy, Liverpool College of Technology, attended a re-union dinner held in Ormskirk, Lancs, recently. Guest of honour was Mr. H. Humphreys Jones, a former principal of the school. Mr. John Hesketh's suggestion that an old boys association should be formed, met with general approval and Mr. Humphreys Jones accepted an invitation to become its first president. Mr. A. D. Mavity, who presided, proposed the toast to Mr. Humphreys Jones who, in replying, gave a glimpse of his career in pharmacy with some anecdotes on the history of the School, Mr. T. B. Clarkson (general manager, Merseyside area, Boots, Ltd.) congratulated the local committee on the organisation of the functions.

TRADE NOTES

Change of Size. — The 6-oz. pack of Gould's gripe mixture (Wigglesworth, Ltd., Church Street, Westhoughton, Lancs), has been replaced by a 4-oz. pack.

Cream Not Stick.—The price for Go deodorant (Freshness, Ltd.) given in the C. & D., June 1, p. 606, referred to the new cream version of the deodorant and not to the Go stick.

Agents in United States. — Manesty Machines, Ltd., Speke, Liverpool, 19, have appointed the Fitzpatco Corporation, 1001 Washington Boulevard, Chicago 7, Illinois, their agents for the United States.

Not Quite Yet.—J. & E. Atkinson, Ltd., 24 Old Bond Street, London, W.1, state that stocks of the new giant size of Skinfare (C. & D., June 1, p. 588) will not be available in all shops until June 29.

"New Look" Aerosols.—Continuing the redesigning of their series of aerosol packs, Racasan, Ltd., Ellesmere Port, Ches, have given a "new look" to their Jet insecticidal aerosol. A crowner is available for the household size.

A Discontinued Size. — Beecham Pharmaceuticals, Ltd., St. Helens, Lancs, announce that distribution of the 1s. 9d. size of vitaminised Iron Jelloids was discontinued on May 31; since June 1 the 4s. 6d. size has been the only one available.

Not the Price for the Tincture, — Ward, Blenkinsop & Co., Ltd., Queen Square, London, W.C.1, point out that the prices given for Penotrane in the C. & D., May 25, p. 580, referred to the recently introduced Penotrane delergent and not to Penotrane solution or tincture.

A Question of Priority.—R. Demuth, Ltd., Bear Lane, Farnham, Surrey, point out that they introduced the first tubed cream deodorant and antiperspirant in 1955, under the title Spic. That product was withdrawn so recently as May 1 this year, to be replaced by a new Demuth product, Petal Dew, which is also packed in a tube.

Improved Quality. — Evans Medical Supplies, Ltd., Speke, Liverpool, 19, are marketing their sterile spray-on plastic wound dressing Nobecutane in a new improved quality that, with all the advantages of the original product, has the claimed additional merit of re-

maining clean for a longer time than any traditional dressing. The product is available in 50-mil bottle and 100- and 300-mil sprays.

Manufacturing and Sales Transferred.—Following the take-over of P. H. Galloway, Ltd., by Eucryl, Ltd. (see C. & D., February 9, p. 144), Messrs. Galloway's factory and warehouse at Walworth Road, London, S.E.17, has been closed. All manufacturing is now being done at the factory of the parent company at Southampton from which also the sales and advertising of all products of the two companies are being directed.

Combs on Cards. — John Dobson (Milnthorpe), Ltd., Bela Mill, Milnthorpe, Westmorland, have prepared display cards to show their 7½-in. and 8-in. cellulose-acetate Langdale dressing combs. The combs are in soft selected colours and carry an aroma of lavender which lasts for several weeks. Each card carries twelve combs, two of each colour (blue, pink, green, lavender, turquoise and tortoiseshell).

Holiday Camp Competitions.—Associated Products, Ltd., manufacturers of Tattoo cosmetics and other products, are organising, in co-operation with their distributors Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1, a Miss Rock 'n Roll Tattoo competition in every Butlin's holiday camp during each week of the summer season. The winner each week receives a presentation pack of the company's cosmetics.

Holiday Emergency Kit. — Savory & Moore, Ltd., 60 Welbeck Street, London, W.1, draw attention to their holiday emergency kit which, containing seventeen first-aid items packed in a grey enamelled steel box lined with shock-resisting foam rubber, is excellent for holidaymakers, especially for those going abroad. The outfit is equipped for coping with minor accidents, headaches, insect bites, digestive upsets, sunburn, sprains, toothache, etc.

Cash Prizes for Suppliers. — First prize in a contest sponsored by Thomas Hedley & Co., Ltd., Gosforth, Newcastle-on-Tyne, 3, makers of Gleem and Drene, is an annuity of £100 a year, together with £250 in premium bonds, or an alternative of £2,500 cash. There are also twenty prizes of premium bonds to a value of £50 and 100 of £10 value.

For dealers nominated on winning entry forms there will be a prize of £50 twenty of £5, and 100 of £1. The contest is now starting and runs unti August 31. Display material is available

Paper Towelling. — Kimberly-Clark Ltd., Aylesford, Kent, draw attention to the advantages of their Hi-Dr paper towels, which have good absorbency and high wet strength. The us of Hi-Dri enables a separate towel to be provided for each worker in industrial concerns, and Messrs. Kimberly Clark point out that, under the recent Food and Drugs Act, adequate washing facilities are made obligatory in all food and catering establishments. The towels are available for use with dispensing cabinets as follows:—Single-width industrial roll (9 in. 250 ft.); double-width towel (speciall suitable for hospitals, canteens and hotel kitchens); and C-fold individuatowels, widely used by hospitals, works schools, etc. All cabinets are supplied free on loan, and are finished in crean enamel

Holiday Closings

J. H. HAYWOOD, LTD., Warser Gate Nottingham. Closed Whit Monday and (for staff outing), Wednesday, June 12

HORLICKS, LTD., Slough, Bucks, and E. R. SQUIBB & SONS, LTD., 17 Old Bond Street, London, W.1, point ou that emergency supplies of their products on Whit Monday may be obtained from John Bell & Croyden, 50 Wigmore Street, London, W.1.

Bonus Offers

WESTMINSTER LABORATORIES, LTD. Chalcot Road, London, N.W.I. Senokot, Brooklax, Bonomint, G.S. tablets Extra 7½ per cent. on £3 parcel; extra 10 per cent. on £5 parcel.

C. L. BENCARD, LTD., Minerva Road London, N.W.10. Paynocil tablets "Wallet" pack. Four free packs with each display outer of 2 doz. ordered direct (invoiced through usual wholescaler).

INFORMATION WANTED

The Editor would appreciate information about supplies of the following:

FIADENYL OF FLADENYL AQUAMOL Walton Laboratories (address) WEAN OF WEAR pile ointment CESTARSOL (veterinary)



EXPANDED SALES FORCE: Fleet of Ford Anglia and Consul cars delivered recently to Smith & Nephew, Ltd., Welwyn Garden City, for use by new representatives recruited to the company's expanded sales force.



Deltalone (prednisone), Hydrodeltalone (prednisolone), and Coactyl (prednisone with acetylsalicylic acid), products of Ward, Cassenne, Ltd., 116 Victoria Street, London, S.W.1. Distributors are Fassett & Johnson, Ltd., Clerkenwell Road. London, E.C.1. Deltalone is in bottles of thirty 1-mgm. or 5-mgm. tab-lets; Coactyl in bottle of fifty; Hydrodeltalone tablets in bottles of thirty 1-mgm. or 5-mgm.; as skin ointment with neomycin in tubes of 5 gm. and 15 gm.; as eye ointment in tube of 3 gm.; as eye drops in dropper bottle of 3 mils: and as intra-cynovial solution in vial of 5 mils.

NEW PRODUCTS AND PACKS

Wallet Pack. — C. L. Bencard, Ltd., Minerva Road, London, N.W.10, have introduced a new "wallet" pack of six Paynocil tablets.

Prednisolone with Aspirin.—Upjohn of England, Ltd., Fleming Way, Crawley, Sussex, announce the availability of a new speciality, Cordex forte, each tablet of which contains 1-5 mgm. of prednisolone and 300 mgm. of acetylsalicylic acid. The packs are bottles of 100 and 500.

Penicillin V with Sulphamezathine.

The pharmaceuticals division of Imperial Chemical Industries, Ltd., Wilmslow, Ches, are issuing their speciality Sulmezil in a new formulation, Sulmezil V, each tablet of which contains 60 mgm. of penicillin V and 0.5 gm. of Sulphamezathine. The packs are bottles of twenty-five, 100 and 500 tablets.

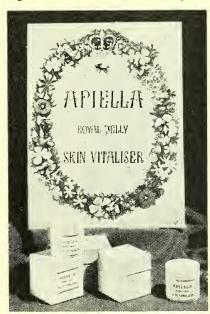
Calcium-penicillin V. — Boots Pure Drug Co., Ltd., Station Street, Nottingham, are marketing a new speciality, Calcipen-V (calcium-penicillin V) for which are claimed the advantages in oral penicillin therapy of rapid onset of action; reliable absorption; and sustained blood levels on a four-to-six-hourly dosage. The packs are bottles of twenty, 100 and 500 60-mgm. or 120-mgm. tablets.

Diphtheria Prophylactic. — Glaxo Laboratories, Ltd., Greenford, Middlesex, announce the introduction on June 11 of diphtheria prophylactic (formol toxoid) in box of two 1-c.c. ampoules and 10-c.c. vial. The product contains no alum or mineral carrier, and is in future being supplied against all orders for diphtheria prophylactic unless diphtheria prophylactic (P.T.A.P.) is specifically demanded.

Hydrocortisone in Soothing Cream.— The Crookes Laboratories, Ltd., Park Royal, London, N.W.10, are launching a new presentation of hydrocortisone acetate in base of Crookes Lacto-Calamine. The use of Cortoderm is claimed to eradicate the irritant and sensitising reactions set up by some vehicles. It combines the anti-inflammatory properties of hydrocortisone with the soothing properties of Lacto-Calamine. Cortoderm is available as a 1 per cent. ream for initial application, and as a 0.5 per cent, cream for maintenance of effect once the condition shows response. Each is in a 10-gm. tube.

Odourless Depilatory. — Dae Health Laboratories, Ltd., 17 Berners Street, London, W.1, are marketing a new, fast, odourless hair-removing cream, Trice, which is sent out in a display outer of six cartoned bottles.

First Royal Jelly Cosmetic.—F. Farthing & Co., Ltd., 6 Slacksbury Hatch, Harlow New Town, Essex, are launching a new cosmetic product, Apiella



royal-jelly skin vitaliser, claimed the first cosmetic preparation containing royal jelly to be marketed in Britain. The pack is a 2-oz. jar. [Royal jelly is the jelly-like food produced by honey bees for their queen.]

Weight-graded Safety Razors. —
Gillette Industries, Ltd., Great West
Road, Isleworth, Middlesex, are, on
June 28, introducing a "superspeed
trio" (light-, medium- and heavyweight models) of their Gillette safety
razor. The light is for men with sensitive skins; the medium for those with

average skin and beard; and the heavy for men with "really rough" bristle. The models differ in angle of blade; amount of blade exposed; and weight of razor.

Miniature Laboratory of Students.—Quickfit & Quartz, Staffs, are marketing a miniature chemical laboratory kit consisting of small-scale but hard-working components from which a dozen or more sets of all-glass apparatus may be assembled to carry out common reaction, distillation, and other laboratory techniques.

New Tube Sizes. — Lancôme (England), Ltd., 14 Grosvenor Street, London, W.1, are launching new tube sizes in some of their preparations: the four cleansing creams (now for the first time in a large tube); Nutrix (large-size tube); empreinte de beauté (beauty mask) (medium-size); and the protective foundations splendeur (medium-size), harmonie, progrés and souplesse (large-size tubes).

First-aid Kit for Farmers.—Smith & Nephew, Ltd., Welwyn Garden City, Herts, announce the forthcoming introduction of two new Elastoplast first-aid cases for farms and smallholdings. The cases will provide the agricultural employer with a convenient way of complying with the Agricultural Act shortly coming into force, under which it becomes compulsory for first-aid supplies to be kept on farms and smallholdings. Further details are to be announced. The company will urge farmers to obtain supplies of the kit from local chemists. [See also p. 607.]

Leakproof Batteries. — Chloride Batteries, Ltd., Swinton, Manchester, have brought out a new leakproof cell, the Drydex T21. Identical in size to the Drydex T20, it is distinguished from the T20 by red bands around top and bottom of the cell. The battery has a laminated plastic jacket.—The Ever Ready Co. (G.B.), Ltd., Hercules Place, London, N.7, have introduced to the British market a new Ever Ready 1½-volt leakproof battery, the LP U2. The battery, which is patented, has a double plastic jacket, and is claimed to have a greater capacity than any other comparable cell.

Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

Aspro Points

SIR,—With reference to the letter by Mr. David Neil, London, N.20, which appeared in the May 25 issue of THE CHEMIST AND DRUGGIST, I should like to point out that your correspondent has not really appreciated the signifi-cance of the changes we have made, insofar as he has not taken into consideration the special bonus which applies only to our chemist friends. Further, the use of our "points" scheme which contract the contract of the special bonus which contract the special bonus which can be special bonus which applies only to our chemist friends. scheme, which embraces the possible purchase of our range of nationally advertised products, puts the chemist in a much better position to purchase at an even greater advantage than he has had hitherto. A further study of our price list would. I think, dispel the misconception which he has. Insofar as it has not been made clear we must. of course, accept the blame for his failing to understand the position. For example, the chemist who normally bought:

12 doz. 5's 3 doz. 27's 1 doz. 54's

would have made a profit of 61s. 10d. On a similar order, again including bonus, his profit would be 68s., giving an extra 6s. 2d. To show how those profits have been arrived at. I enclose a breakdown of the calculations. I would like to assure you that we went to great lengths to satisfy ourselves that we did not in any way jeopardise the profitability of our products so far as the chemist was concerned.

R. R. WALKER, General sales manager, ASPRO-NICHOLAS, LTD. Slough, Bucks

The "breakdown" is given in the table below:-



A LOCAL "BYGONE"

Wooden mortar formerly the property of Surgeon-Major Richard Proctor, who fought in the American War of Independence (at the Battle of Bunker's Hill) in 1775. The mortar is now

A Costly Decimal

SIR,—While it is appreciated that the overall picture shows that the pricing bureaux achieve a reasonably satisfactory standard of accuracy in pricing EC10 forms, the appearance, on more than one occasion, of a certain type of error is causing some concern. error is one in which an item costing over 1,000 pence is priced as 100 odd pence. I am told that the error is caused by the misplacement of the decimal point, but however it is caused it is clearly always "against" the chemist; i.e., it can never average itself

out. And each time it is made one of us is £5 out of pocket. In an effort to secure the elimination of that type of error I submitted the following suggestion to the Central N.H.S. Committee :-

In addition to the "A" and "S" bundles already being sorted, a third "EX" bundle, in which all forms bearing an item of over £2 net cost, should be sorted. That bundle would be fully priced, as is the "S" bundle at present, but it would then be subjected to a final recheck by another pricing clerk. The number of forms in the "EX" (for expensive) bundle would probably be small enough to permit sorting thus, even when "doctor sorting."

After carefully considering the suggestion, the Central N.H.S. Committee concluded that the extra work it would entail was not justified. We in Hampshire disagree with that conclusion. We feel that, if the error were always in our favour, prompt steps would be taken by the Ministry to eliminate it. As only the most expensive prescriptions are involved, the amount of extra work entailed would be small in relation to the valve of the relation to the value of the prescriptions concerned, May I suggest that the proposal be discussed at forth-coming meetings of Pharmaceutical Committees and at Branch meetings. and that the results of those discussions be made known to Mr. Noble as secretary of the Central N.H.S. Committee.

J. D. MALLINSON, Secretary, Hampshire Pharmaceutical Totton, Hants Committee

"Phoney" Research?

SIR,-I am sorry to have to say to Critic, in answer to his last letter (C. & D., May 27, p. 563) that he is confusing the discussion by dragging in irrelevancies and then exhibiting, by implication, a bias against firms and products of foreign origin. May I suggest that he should now turn to the British Medical Journal, May 11, pp. 1107–08, where he will read an impartial statement of our includes. tial statement of our indebtedness to Switzerland, France, Germany and the United States for invaluable products springing from pharmaceutical research of the very highest order.

I. GELLMAN London, S.E.5

Election Candidates' Thanks SIR,-May I through your columns thank all those who voted for me dur-

ing the recent election for Council members. Although I was again unsuccessful their continued support is most helpful and gratifying.

Upminster K. HOLLAND

SIR,—If I may have the use of your valuable columns, I would like to thank the members of the Pharmaceutical Society for the vote of confidence given to me. I shall endeavour to carry out the policy which merited such a high reward.

Birch Green, Herts J. F. McNEAL

PRICES AT OLD CHEMIST LIST RATES

Quantity	Retail Selling value Purchase Tax		Trade Value	Retailers' Profit	Bonus	Total Profit	
12 doz. 5's 3 doz. 27's 1 doz. 54's	s. d. 60 0 61 6 38 0	s. d. 9 8 11 1 6 10	s. d. 32 0 37 0 22 8	s. d. 18 4 13 5 8 6	s. d. 5 0 10 3 6 4	s. d. 23 4 23 8 14 10	

PRICES AT NEW GENERAL LIST RATES

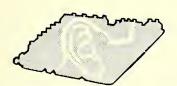
Quantity and Points	Retail Selling Value	Purchase Tax	Trade Value	Terms Value	Re- tailers' Profit	Bonus	Total Profit	+ to Retailer
12 doz. 5's	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
(8 pts.)	60 0	10 4	34 8	33 0	16 8	8 4	25 0	+ 1 8
3 doz. 27's (8 pts.)	63 0	11 11	39 10	37 10	13 3	12 3	25 6	+ 1 10
1 doz. 54's	38 0	7 2	24 0	22 10	8 0	9 6	17 6	+ 2 8
(5 pts.)							68 0	+ 6 2

Total points = 21. Increased profit on new prices = 6s, 2d.



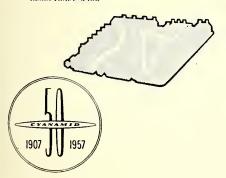






Achromycin tetracycline is unsurpassed among broad-spectrum antibiotics. Not only is this true in severe generalized infections but in the strictly localized conditions too, where topical application of the drug can be relied upon to exert intensive antibacterial action - right at the site of infection – with gratifying certainty and with the minimum of side reactions. This valuable property of Achromycin has led to the formulation of a comprehensive range of topical presentations each with a well defined place and purpose in general and hospital practice.

* REGD. TRADE MARK



EYE INFECTIONS

SKIN INFECTIONS - ACHROMYCIN Ointment 3%

- ACHROMYCIN Ophthalmic Ointment 1%

> ACHROMYCIN Ophthalmic Powder Sterilised

EAR INFECTIONS - ACHROMYCIN for Ear Solution THROAT INFECTIONS - ACHROMYCIN Troches

LEDERLE LABORATORIES DIVISION

Cyanamid OF GREAT BRITAIN LTD., London, WC.2

to introduce a NEW HA

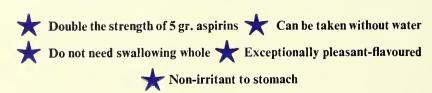
PAYNOCIL

PAYNOCIL is widely advertised to doctors and dentists

Each tablet contains:	
Acetylsalicylic acid	grains
Aminoacetic acid	grains
Packs: 6 tablets (inc. P.T.) 1/6d. (18 tablets (inc. P.T.) 3/4d. (Retail)
240 tablets (tax free dispensing pack) 21/8d. ((Trade)

PAYNOCIL

non-irritant, quick-dispersing, palatable analgesic





IUS OFFER GIVING 80%PROFIT ree packs with every 2 dozen

orders placed DIRECT WITH US lay outers of 2 dozen 1/6d. packs of 1, a bonus of 4 free packs (tax paid) given with each outer.

ect from C. L. Bencard Ltd., stating the our wholesaler. Mark your order

S DISPLAY OFFER

reply paid order card sent to you

For 28 packs you pay - 20s. (exc. P.T.)

Your return is - - - - 36s. (exc. P.T.)

Your profit is - - - - - - 16s.

= 80% on outlay

OFFER CLOSES JULY 31st

BENCARD LTD., PARK ROYAL, LONDON, N.W.10

603Ph/65/2

Designed for Protection ...

Nobecutane

Trade Mark

The sterile spray-on plastic wound dressing. Transparent, impermeable to bacteria but permeable to air and water vapour. Washable but waterproof.

NEW QUALITY now available

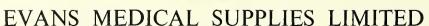
The new improved quality retains all the advantages of the original product, but has the additional advantage of remaining cleaner for longer than any traditional dressing.

Available in 50 ml. bottles and 100 & 300 ml. sprays.

Further information gladly supplied by the Medical Information Department



An example of Thirteenth Century Armour



SPEKE, LIVERPOOL 19

(HUNTS CROSS 1881)

London Office: Ruislip, Middlesex (Ruislip 3333)



For Retailer, Wholesaler and Manufacturer
ESTABLISHED 1859

Published weekly at 28 Essex Street, Strand, London, W.C.2

TELEPHONE CENTRAL 6565

TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

The Place for "Deadly Sweets"

THE magazine Family Doctor, with which we have not always agreed, is to be commended for an article in its June issue entitled "Danger! Deadly Sweets." article draws parents' attention to the by no means new danger to children of brightly coloured tablets, etc., left lying about in the home. That kind of propaganda, however, is abundantly necessary if the public is to be educated to be on guard against a modern and serious hazard. The author (Dr. Keith Simpson) after saying, as he puts it, "loud and clear" that there are too many people taking pills, with too many of them too easily available, points out the special dangers of the tablets to toddlers "who are putting their little hands everywhere, exploring the cupboard, the drawer, the mantelpiece, mummy's handbag, the window-sill, and under the pillow." No medicine is really safe from such exploration unless it is put high up out of reach or locked away. The doctor writing suggests-rather, perhaps, against recent evidence that children will take astonishing amounts of quite unpalatable tablets—that manufacturers should be encouraged to make the pills look less like sweets and make them taste less attractive. Pills, he says, could be made to "go down" less easily. The difficulty, of course, is that the "pills" are made to taste attractive and to go down easily for a purpose, and a purpose that is surely justified. Dr. Simpson revives an old suggestion when he recommends that such medicines should be made to excite the vomiting reflex in the stomach if too many are swallowed. That is a problem that would require further study from more than one aspect. The suggestion that tablets should be marketed in cellulose film or foil-press wrappers, so that each tablet is difficult to get at, is reasonable and practicable enough. It is one that can make its appeal to the manufacturer both as a safeguard against children's inquisitiveness and for its intrinsic merit as a form of packaging.

Prominently displayed on the first page of Dr. Simpson's article is a reference to the "beautifully coloured" charts published by THE CHEMIST AND DRUGGIST to help chemists identify pills and capsules quickly. Those charts, which have been widely taken up by chemists, doctors, hospitals and the police, have been intentionally kept out of the hands of members of the public, and we hope the doctor's reference, correctly phrased as it is, does not prompt Family Doctor's readers among the general public to order copies for themselves. They would be doubly wasting their time since, apart from the policy of confining them

to appropriate professional users, the edition is to all intents exhausted and will not be reprinted until it becomes worth while to subject it to full-scale revision.

For the ordinary householder the real value of Family Doctor's propaganda comes at the end. The article gives advice to parents on what to do if a poisoning tragedy should occur in their family circle and winds up with a list of rules "that represent no more than common-sense care," for helping to prevent such accidents. Personal responsibility and wholesome respect for medicines as potent substances remain the keynotes of security alike for children and grown-ups.

Unlamented

THE decease—or is it suspended animation?—of the Shops Bill will go unlamented so far as the majority of pharmacists are concerned.

Under one of the provisions of the Bill a qualified pharmacist working on a Sunday would have had to be released until either 11 a.m. or after 5 p.m. on one day of the following week. That would have meant the withdrawal of many pharmacists from Sunday rota duties. Amendment of that provision was unsuccessfully sought in the House of Lords, but the Minister of Health is on record as having undertaken to secure the necessary amendment before the Bill became law (see C. & D., January 26, p. 79).

Another provision objectionable in pharmacy was the clause in the Second Schedule permitting the sale or supply of drugs and medicines on Sundays. That paragraph would have removed the present limitation restricting to pharmacies the supply of medicines on Sundays. It was opposed by both the Pharmaceutical Society and the National Pharmaceutical Union.

Onward from Galen

A CURRENT CAUSERIE

REPRESENTATIVES of drug firms who call on doctors were described as "itinerant professors of therapeutics" by Sir David Campbell (president of the General Medical Council) when he introduced new recommendations for medical education at a meeting of the General Medical Council on May 28. Referring to them and the literature which doctors receive advertising the claims of new drugs, Sir David, who is professor of pharmacology at the University of Aberdeen, said: "I think it is highly desirable that the student should be adequately instructed in pharmacology."

*

A DECISION by the United States Supreme Court on June 3 is reported to have profoundly shocked the business community in that country and has no doubt caused a certain amount of disquiet in corresponding British quarters. The Court had ruled by a majority of four to two that E. I. du Pont de Nemours & Co. (a large chemical company with ramifications similar to those of Imperial Chemical Industries, Ltd.) had violated the Anti-Trust Laws when it acquired a 23 per cent. stock interest in General Motors Corporation in 1917. The Government's case was that du Ponts' stock ownership in General Motors, combined with interlocking directorates and its historic relationship, had given it the power to influence the business judgment of the car company, thus constituting a restriction of trade. One judge noted that in 1946-47 du Pont supplied about 67 per cent. of the paint requirements of General Motors and almost half of its fabric requirements. By supplying those percentages, du Pont enjoyed a substantial share of the domestic paint and fabric market, he stated. Will someone soon be causing similar litigation in the British courts?



"OPEN SHOP"

AN UNSCRIPTED COMMENTARY ON THE SPECIAL PROBLEMS OF THE PHARMACIST IN RETAIL PRACTICE

E. C. TENNER

THE Pharmaceutical Society's election is over, and steam has been blown off at the annual meeting and the meeting of Branch Representatives. The Council may now go back to its work, renewed by its contact with its electorate. One of its first tasks is the election of the president for 1957-58. Without much doubt this year, like every year since 1841, can be called by reason of one issue or another "a critical year for pharmacy." During one hundred and sixteen critical years fifty-nine presidents have served the Society. Some of them have been of such outstanding character that their names have become household words in the profession. How many can the average pharmacist recollect without recourse to the Calendar of the Pharmaceutical Society? Is 1957-58 to be a vintage year? As I write the president is not yet elected. He will be known by the time these paragraphs are in circulation. Will he merely take the chair at the Council meetings, or will he act as a man of vision, and with determination set the mind of the Society to the solving of the real problems that are holding up members' progress today?

No Fresh Thinking Since 1933?

I cannot help feeling that the Society has not yet recovered from the Pharmacy and Poisons Act, 1933: there has been hardly any fresh thinking since then. The great concern of our leaders too often seems to be not to commit themselves to anything definite in the way of a policy. They seem satisfied, too, with efforts to maintain the status quoefforts that beguile members like a will o' the wisp—while reserving for themselves the widest freedom to attempt to deal with problems as they arise. I think that is one reason the Society finds itself bogged down in interminable unproductive and frustrating arguments about membership, education and examinations. Another reason is that members are not given enough information about current problems and what Council members say and do. But the main reason is, of course, that the Council has not shown members that it has any clue as to what should be its grand strategy. So, with every due respect from my dispensing counter in the "back shop," I ask the new president of the Pharmaceutical Society: "Will you please use every effort to bring the Council to decide, and to define, what place pharmacy should strive to occupy in the national life during the next fifty years?" Such a definition could be a compass course to lead pharmacists out of the morass of talk that will otherwise stifle us.

Let us look at the words and time spent recently on the non-membership of pharmaceutical graduates. We members of the rank and file, who remember the voluntary membership of the Society before 1933, cannot really get worked up about those graduates in pharmacy who do not elect to join the Society. We can be sure that now, as always since 1841, all those duly qualified persons who have the good of the profession in their hearts will continue to take steps to join the Society because they want to be associated with it and its development of the Charter objects. The profession is not split because some who practise pharmacy, but not as authorised sellers of poisons, are not members of the Pharmaceutical Society. The Society is a great deal stronger and better able to achieve its Charter objects because some members of the profession who need not join it do in fact

do so. It occurs to me that those who practise pharmacy as a scientific profession in its widest conception should not be forced into a "closed-shop" Society.

The annual meeting and the Branch Representatives' meeting may have rather overshadowed an important N.P.U. regional meeting held at Cardiff. I regard that meeting as important because it was there that a resolution was carried (with only three against it) that the membership of the N.P.U. should be withheld from pharmacists who break the rota. The rota-breaker is as much a menace to good pharmaceutical service as the price-cutter is to good retail distribution. It now seems that price-cutters in the pharmaceutical trade have been successfully coped with, for the time being at any rate, but so far the way has not been discovered of dealing with rota-breakers. I have not myself yet said much about that problem because I have not been able to see how the menace could be eliminated. The long silence of the Society's Council is a sign of the difficulties with which, as Mr. Spaanderman said at Cardiff, the subject bristles. Even if the observance of customary hours of trading and rota periods is added to the Statement on Professional Conduct, the Council will need to show much more determination in persuading members to adhere to the Statement than has been observed to date. Rota-breakers are pirate traders, prostituting their profession for their personal profit at the expense, and to the damage, of their fellow pharmacists and of the profession generally. It is to the credit of the profession that there are not generally more than one or two of those pirates in each town, though there is always the danger that, where one operates, his pharmaceutical neighbours, who would not normally stoop to such behaviour, fall to the temptation to leave their doors ajar when they should be shut. Now, from South Wales, comes what seems like a common-sense suggestion: These people are pirates; like pirates they put themselves beyond the pale of their (N.P.U.) community; then let them be outlawed by the community. The only pressure such people react to is financial and business pressure, so let them be shut out from participation in the considerable co-operative, financial, and business privileges that have been created by retail pharmacists who have worked loyally together in the interests of the profession and the public in the N.P.U.

A Galling Thought

How galling to other members is the speculation that the N.P.U. may have helped a rota-breaker to purchase the business in which he operates! How stupid we shall be if we allow the pirates to continue to use our harbour and resources to equip themselves for further piracies against us! Of course the subject bristles with difficulties, but the qualification for membership of the N.P.U. should be framed to suit the interests of the overwhelming majority of its members.

The branches of the N.P.U. should be asking their Executive about the "difficulties," and setting about overcoming them. I think that this is one situation in which we retailers can help ourselves if we wish.

BLOOD DONORS WANTED:—To meet the continually growing demand for blood the Minister of Health said recently that a panel of 750,000 donors was required against the present 643,000.

PURCHASE TAX v. SALES TAX

Before the 1957 Budget there were many who thought the Chancellor would, after due notice, announce that the purchase tax was to be abolished and in its place a sales tax imposed. To some the change seemed to promise a more equitable basis for taxation. A retailer gives below the pros and cons of sales tax and reveals potent objections to it.

H. G. MOSS

ROM its inception, purchase tax as a method of raising revenue has provoked criticism. The criticism stems from many sources and arises for many reasons. There are those who object to any tax that has the effect of increasing prices, thereby raising the cost of living. Purchase tax was introduced shortly after the commencement of the 1939-45 war with the main avowed purpose of discouraging demand. It was hoped to relieve pressure on non-essential industries, thereby freeing workers, raw materials and factory space for more essential needs. Since then purchase tax has become an integral part of the British fiscal system, and it is unlikely that either the present or future Governments will surrender the power to impose an applied tax of that type-for two reasons. First it has become a major source of revenue. In 1956 the amount the tax produced reached the astronomical figure of £418 millions-equivalent to something approaching 1s. 6d. in the £1 in terms of income tax. Secondly, only a tax of this category can control production, output, and sales according to the prevailing economic circumstances by the simple expedient of adjusting the tax rates.

It may be taken for granted, therefore, that, so far as the foreseeable future is concerned, no Government, of whatever Party, will contemplate abandoning a tax of this type (that is, a tax applied to selected types of merchandise, varied according to types of goods) and it is doubtful whether even those most vociferous in declaiming purchase tax really believe that any Government could afford to discard such an important source of revenue.

There has developed, however, another source of opposition to purchase tax: a school of thought which advocates its replacement by a sales tax, that is a tax applied at the point of retail sale and recoverable by the revenue from the retailer, instead of being applied, as purchase tax is, at the manufacturer or wholesaler stage and recoverable at that level.

Objections to Purchase Tax

What are the main objections to purchase tax as it operates at the present time?

Apart from the reasons given overleaf, there are many lesser objections, for example there are anomalies in the

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Facsimile of an excise tax work sheet of an examiner of the U.S. Internal Revenue Service. The N.A.R.D. Journal describes it as "a masterpiece of guesswork and gross inaccuracies." Nevertheless the pharmacist was required to pay the additional tax and penalty of \$53 ("ad valoren penalty applies to the amount of deficiency or additional tax which is applicable to the periods for which returns were filed delinquent"). The agent, to arrive at figures for three years, merely multiplied the one-year figure by three.

application of the tax. But there is no reason to think that anomalies would not also prevail were purchase tax to be replaced by a sales tax. The reader may feel at this point that the arguments given provide more than sufficient reason

for a change from a purchase to a sales tax, but unfortunately the problem is not so simple as appears at first sight. It is by no means certain that, from the retailer's or indeed from the Government's point of view, the change might not be a case of "out of the frying pan and into the fire."

Two Classes of Objections

The objections to purchase tax may be said to fall into two classes that are dependent upon the particular type of outlet.

Manufacturer and Wholesaler

- 1. The work involved in applying the tax is extensive, non-productive and non-remunerative.
- 2. The manufacturer or wholesaler is responsible to the Revenue for the tax and, in the event of a default in payment by his customer, he suffers not only the loss involved in the value of the goods but also an additional loss equivalent to the value of the tax which he must in any event pay.
- 3. Any extended credit taken by his customers means that he is having to pay the tax before he himself has received it, and is thus financing it at a loss.

RETAILER

- The tax involves an immense additional capital outlay on stock; capital which provides no return for its investment, and therefore results in a greatly diminished percentage gross profit on his turnover.
- The additional capital outlay, apart from being non-remunerative, is also subject to either partial or total loss in the event of a reduction in the rate of tax. In pharmacy, for example, approximately 20 per cent, of the total capital invested in the business is represented by purchase tax, which could be wiped out in whole or part over night by an alteration in purchase tax rate.
- 3. There is no method of recovering the tax in the event of damage, deterioration, theft or any other case.

To those who have seen a sales tax in operation in other countries such as the United States it appears, on the face of it, to be simplicity itself. On the first two occasions that the writer visited the United States his only thought upon meeting the tax in the shops and stores was that it appeared to be a heaven-sent opportunity for the dishonest retailer to make a little (or a lot!) extra on the side by the simple expediency of omitting to make out a sales docket. He surmised, of course, that the United States Revenue was not quite as simple as all that, but he did not have on his first two visits any real opportunity to go deeply into the matter. However, on his visit in the autumn of 1956 to the annual convention of the National Association of Retail Druggists, he came into much closer contact with the problem when he found that the Association, along with many others, was endeavouring to promote in Congress a Bill designed to change the sales tax into the type of tax we call purchase tax—that is, a tax applied at the manufacturer and wholesaler stage. His interest in such matters being known and also because he might from experience of such a tax be able to contribute some useful information on its application, the writer was invited to sit in at the Association's executive meetings. He had until then, like most others connected with the retail trade in Britain, held firmly to the view that the sooner that purchase tax was superseded by a sales tax the better. After listening to the arguments based on the Americans' experiences of a sales tax he began to entertain grave doubts as to the wisdom of the views he was holding.

As already mentioned, a sales tax seemed at first glance to provide ample opportunities for the dishonestly minded, but until that moment the writer was not aware of the extraordinary measures necessary to deter such people—measures which had their impact upon all and sundry, including the great multitude of honest traders; measures, too, which were, when compared with the relatively low cost of collection in this country, extremely expensive to operate. In the enforcement of purchase tax a relatively small number of inspectors suffices because of the comparatively small number of registered outlets. The great majority of such outlets, too, are of the larger type, with adequate accounting systems making it easy to detect any evasion (though in fact the larger type of firm does not as a rule lend itself to such questionable activities).

Acute Problems of Operation

In operating a sales tax, however, where the retailer is the key point in tax collection, the immensity of the problem becomes evident. Not only are the "registered points" increased a hundredfold or more, but the type of outlet is one at which (the fact must be faced) book-keeping and accountancy are not of the standards maîntained by the larger firms. With the very small trader they may hardly exist at all.

The retailer seldom has an office organisation behind him, and for that reason the books he keeps are the fewest necessary to satisfy the inspector of taxes. Such books would be far from adequate for checking up on sales-tax returns, and in fact the writer learned that U.S. Revenue officials frequently looked with scepticism at any boots that were produced and settled down in teams of two, three, or more to take physical inventories, spending several days on the job, examining invoices going back over a year or more, and thoroughly disorganising the business of the shop during the process.

Such a procedure was, from the Revenue official's point of view, essential since, apart from lack of adequate and comprehensive book-keeping and stock control systems, detailed inventories, and so on, there was always the "cash" transaction to be sought for (goods purchased for cash which did not appear in any books, and were sold without records being made). Needless to say, the figures produced by the Revenue officials seldom agreed with those declared by the retailer. For reasons which need not be gone into the Revenue's computation was invariably higher than the trader's. The trader was accordingly faced with demands for payment of additional tax which, however satisfied he might be in his own mind as to the accuracy of his own return, he would still have to pay. For the simple fact was that to contest it, with all the heavy audit, solicitor's and other advocate's fees, would cost him more than the additional tax involved, and in any event there was no certainty that he would be able to prove his own figures to the satisfaction of a court of law.

The following extract from the N.A.R.D. Journal (September 3, 1956) illustrates the point to the full:—

A typical example of an audit by an agent of the Internal Revenue Service is reproduced [on p. 621] from a brief submitted to the Internal Revenue Service by the Kansas Pharmaceutical Association. The computation is a masterpiece of guesswork and gross inaccuracies but nonetheless the merchant involved was required to and did pay the additional tax and penalty shown on the agent's work sheet. He was informed by a local collector that if he did not pay, his bank account, stock, and store would be seized. He was also told that he could not afford to contest the assessment since it would cost him more in accounting fees and attorney's fees than the amount involved. In the example shown, the agent, in order to arrive at other years, merely multiplied the tax by three in order to cover a period of three years. No audit of the other years was made and he merely guessed that the tax would have been the same if he had made an audit. The agent had to do something and the pharmacist paid with the theoretical gun in the ribs. As an afterthought, the pharmacist recomputed some of the figures taken off the invoices by the agent.

The pharmacy owner found that the agent, in his confusion and through his lack of knowledge, had charged him with refunds or credits given to him by the wholesaler and assessed him with a tax computed thereon as though such refunds or credits had been purchases.

There is a further important difficulty arising out of the present coinage system in Britain. Those who advocate a sales tax frequently quote, in support of their arguments, the so-called successful application of such a tax in the United States, Canada, and various European countries. They overlook entirely the fact that all those countries have a decimal coinage under which the application of a sales tax in terms of percentage—and that is the only way it can really be done satisfactorily—is easily applied. The customer's bill is added up and the 1, 2, 3, 4 or other percentage in force simply and quickly calculated and added on at the foot of the bill.

British Coinage a Limiting Factor

With the British coinage system a percentage as such would be incapable of application. Tax could only be calculated on halfpennies and pennies in the shilling, immediately creating difficulties where the article includes pence in its price (e.g., 17s. 9d.). A tax on such a basis would, of course, be limited in its variability. The lowest practicable rate would be approximately 4 per cent. (halfpenny in the shilling) and higher rates could only be at 8, 12, 16 per cent., and so on. In no case in the United States did the writer find a tax higher than 5 per cent., and in most cases it was only 1 or 2 per cent. Even low percentages such as those could, when based on the retail price, produce a sizeable

Finally it would be difficult, if not administratively impossible, so far as the retailer is concerned, to operate varying rates of taxes according to class of goods (as prevails at he moment with purchase tax). He would, in such circumtances, be faced with the making out of two, three or nore bills for what was in effect one transaction. That would be so time-absorbing as to become to all intents and purposes impracticable and few, if any, cash registers it present in use would be capable of dissecting purchases on such a basis. That being so, a sales tax would probably equire to be reduced to one single rate for all taxable tems, which would immediately deprive the Government f an important advantage possessed by the present purhase tax, namely its flexibility in being eapable of increase r reduction on any particular class of goods according to he economic circumstances at a particular time.

umming-up

It will be seen, therefore, that, far from having advantges either to the Government or to the retailer, a sales ax, if substituted for the present purchase tax, could have efinite disadvantages, which may be summed up as ollows:-

GOVERNMENT

Considerably increased cost of collection.

Much greater possibility of evasion.

Percentage system unworkable by reason of the British coinage.

Selectivity in applying the tax denicd.

RETAILER

- 1. Accounting problem.
- 2. Disorganisation of business during audit checks.
- 3. Danger of incorrect and excessive demands.
- Prohibitive cost of fighting such demands.
- 5. Additional work and cost of issuing bills with every sale.

It is not without considerable significance that those merican retail trade associations that were well aware of e difficulties which would accrue if they proved successful their efforts to move the tax stage from the retail to the anufacturer level were nevertheless firmly convinced that ich a change was by far the lesser of the two evils. Their

experience of the demands for so-called "underpaid" tax, which nearly always had to be met owing to the difficulty of disproving the accuracy of the demand, coupled with the cost of fighting it, was such that they regarded the additional capital outlay, the risk of loss due to tax changes, and the other attendant disadvantages of a purchase tax as preferable to those which prevailed under their system of sales tax. They did, in fact, point out that liabilities under a purchase tax system were at least defined and limited whereas, under the sales tax system, their liability had to all intents and purposes no ceiling, and they could easily have their stock seized and could virtually be put out of business. As they pointed out, the retailer was living on the edge of a volcano. No matter how conscientiously he had endeavoured to keep accurate records and make true returns he nevertheless came to dread each visit of the Revenue official.

All Losers but One

As has been indicated earlier, the writer has been intimately connected with retailing for many years, and has experienced at first hand all the unpleasant and at times costly disadvantages to retailers of the application of the present purchase tax. Despite that he has come to the conclusion that the substitution of a sales tax would be to the advantage neither of the retailer nor of the Government. The only person to benefit would be the manufacturer or wholesaler, who would be relieved of the responsibility for collecting the tax. So far as the retailer is concerned he would merely be lifting one burden off his shoulders to take on another that might quite be even heavier, and it is difficult to see what advantages would accrue to the Government. In fact, it appears to offer the Government little but disadvantages and there is also the possibility of greater tax evasion.

ECHOES OF THE PAST

MEDIÆVAL ONE-UP-MANSHIP

From "A Short History of Social Life in England," by M. B. Synge, F.R.Hist.S. (Hodder & Stoughton, London, 1906).

Circa 1348–1399.
"Suppose you know nothing," suggests a writer of this period, "say there is an obstruction of the liver. Perhaps the patient will reply: "Nay, Master, it is my head or my legs that trouble mc." Repeat that it comes from the liver and especially use the word "obstruction," for patients do not understand it, which is important.

When you go to a patient, always try and do something new every day, lest they say you are good at nothing but

"Work on your patients; secure their confidence, light up their imagination, and you are sure of success.'

The doctor's fee was a much-considered item: "Never dine with a patient who has not paid you; it will be cheaper to get your dinner at an inn, for such feasts are usually deducted from the surgeon's fee."

Here is an ingenious device for securing the fee: "When you are treating a wound or accident, the friends of the patient should be excluded, for they may faint and cause a disturbance, but sometimes a higher fee may be got from persons present fainting and breaking their heads against wood and the like, than from the principal patient.

Some of their prescriptions are equally suggestive. Here is an ingenious cure for lethargy: "Shave the patient's head and anoint it with honey; the flies will so worry him that he will continually strike out at them, which will cure his

lethargy.

Or here are instructions for the treatment of palpitations: "Let the patient avoid all coarse meets, such as that of oxen, goats, horses, camels, and water-fowl, rich fish, pastry, new bread, and old or moist cheese. Let him take moderate exercise before eating and rest entirely after it, and then ride horses or gently-trotting mules, avoiding rapid ascents or descents. Frequent combing of the hair is a great help, especially after sleep, for it assists the evaporation of the humours which ascend to the head."

TOILET TISSUE PRODUCTION AT NORTHFLEET

Plans for a weekly output of 600 tons

IN his annual statement to the shareholders of Bowater Paper Corporation, Ltd., the chairman (Sir Eric Vansittart Bowater) said that the associated Bowater-Scott Corporation, Ltd., would

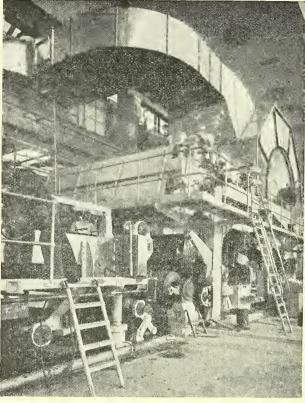
shortly be launching on the market new tissue products covering the entire household field. At present, the demand for company's products in that class far ex-ceeded producproductive capacity — a situation that was expected to be remedied when the new tissue mill at Northfleet, Kent, came into full production.

The progress made towards end that end was viewed later by over 2,000 shareholders of the company who, after attending the meeting, were conducted round the Thames division paper mills and development site. Most con-spicuous of the new buildings is the tissue mill, in which the first of two tissue-machine and conversion plants has just been

has Just been Northfleet, Kent.
In stalled. A second is to be built in 1959. The No. I machine has a giant drying cylinder weighing 68 tons and makes a web of tissue 132 in. wide at a designed speed of 2,500 ft. per minute. When completed and fully operational the two machines should produce over 600 tons of paper each week, more than doubling the

Andrex products (hitherto produced at Walthamstow).

Most modern in design, as well as well lit, airy and hygienic, the new mill makes full use of contemporary



TISSUE-MAKING UNIT: Drying cylinder (weight 68 tons) forming centre of giant machine installed at new tissue mill of Bowater-Scott Corporation, Northfleet, Kent.

colour schemes on machinery, pipes, and even workers' overalls. The floors are covered by a new, hard-wearing plastic design to stand up to at least ten years' hard wear, yet resilient and reducing noise to a minimum.

The project was started by Messrs. Bowater soon after their purchase of St. Andrew Mills in 1955 and was taken over by Bowater-Scott Corporation Ltd. (see C. & D., March 17, p. 193) while still under construction.

Close by the new tissue mill is the new headquarters of Bowaters Research and Development Co., together with laboratories and pilot plant for production testing.

DEVELOPMENTS IN THE UNITED STATES

Pure Hormone Isolated

Research workers at the University of California, Berkeley, California, have isolated for the first time in pure form and determined the structure of intermedin, the pigmentation hormone.

Safer Rabies Vaccine

A new and safer rabies vaccine has been developed by Eli Lilly & Co. Indianopolis. The new vaccine has been shown to be free from a "paralytic factor" that has been known to cause paralysis and death during rabies treatment. The vaccine is produced in embryomated duck eggs instead of in rabbit-brain tissue.

Rubefacient in Commercial Quantities

Glycol monosalicylate is now being produced in the United States in commercial quantities by the organic chemicals division of the Monsanto Chemical Co., St. Louis, Missouri. The topical analgesic and rubefacient, which has the added advantage of extremely low odour, has gained popularity rapidly in the United States since 1955.

Detection of Benzene

A new, rapid method for measuring benzene in body fluids has been announced by Drs. Donald L. Guertin and H. W. Gerarde of the Esso Research and Engineering Co., Linden, New Jersey. The new laboratory procedure involves an extraction with cyclohexane, followed by a measurement of ultraviolet absorption, using a spectrophotometer.

New Herbicide

A new granular chemical herbicide which is claimed to provide full season control of most annual and perennial grasses and broad-leafed weeds in non-crop areas has been developed by the General Chemical Division of Allied Chemical and Dye Corporation, New York. The new product, called Urox, a granular formulation of 3-(p-chlorophenyl)-1, 1-dimethylurea trichloroacetate, is designed for dry application with simple, inexpensive equipment. According to company officials, advantages claimed for Urox include its ability to give lasting weed control over an extended period of time; a single application of the herbicide reportedly has provided continuous killing action for more than ten months. Ir addition, it is claimed that small booster doses will keep most areas weed-free from season to season.



PAPER WORKS EXPANSION: The tissue mill is seen in the foreground. In the centre are the company's research laboratories and engineering division.

INSTRUMENTS, ELECTRONICS, AUTOMATION

New equipment for laboratory and factory shown at London exhibition

THE Instruments, Electronics and Automation Exhibition, formerly the THE Instruments, British Instrument Industries Exhibi-tion, was held in London, May 7-17.

Concurrently with the exhibition lectures were held. At one of them LORD HALSBURY (managing director, National Research Development Corporation) said that electronics was at the heart of most of the wonders of the modern world, including the control of manufacture of such things as petrochemicals, artificial fibres, antibiotics, synthetic vitamins and hormones, not to mention a host of other curative drugs. It was true that most chemical plant operated pneumatically but chemical engineers wanted electrically operated equipment because the more interesting chemical reactions from the standpoint of modern chemical engineering were those which took place at high speed and therefore had to be control-led by high-speed equipment.

What the Exhibitors Showed

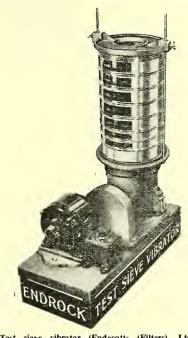
A new type of Analmatic equipment shown by Baird & Tatlock (London), Ltd., Freshwater Road, Chadwell Heath, Essex, enables large numbers of calorimetric assays to be carried out by semi-skilled labour. Three basic by semi-skilled labour. Three basic units are at present available. The first consists of a rack holding thirty test tubes which is pushed in steps through Three tubes at a time come under the same number of pipettes, each of which automatically delivers a preset volume of reagent to the tube positioned under it. The second unit accommodates two ganged racks of thirty tubes. One rack contains the sample tubes and the other empty tubes. The two racks are moved step by step through guides. As each set of six tubes comes into place three pistontype pipettes dip into the sample tubes, fill to volume, lift, move across and down into the empty tubes into which they discharge their contents, rising again to clear the tubes so that the next set of six tubes can be pushed into position. The third unit is an absorptiometer. Also shown was an absorptiometer. Also shown was an Analmatic Karl Fischer apparatus; a wide range oven and an autoclave to British Standard specification No. 2646 with water indicator and a timing device.

device.

CASSELLA (ELECTRONICS), LTD., 46
Osnaburgh Street, London, N.W.1,
demonstrated an automatic particle
counter and sizer for the analysis of
such materials as ascite tumour cells,
spray droplets and chemical powders.
On the stand of the DEPARTMENT OF
SCIENTIFIC AND INDUSTRIAL RESEARCH,
Regent Street, London, S.W.1, was
shown a chromatographic liquid fracion collector. An electrically operated
urntable moves on automatically after
he correct size of sample is collected.
Level control indicators for both Level control indicators for both olids and non-conductive liquids were mong the range of equipment shown by ELCONTROL, LTD., Wyndham Place,

ondon, W.1.
The Titromatic analyser, shown by LECTRONIC INSTRUMENTS, LTD., Rich-

mond, Surrey, automatically carries out the analysis of chemical products dur-ing the course of manufacture. It is claimed to do the work of three skilled chemists on shift work, operating con-tinuously day and night with only a short weekly break for routine inspec-



Test sieve vibrator (Endecotts (Filters), Ltd.).

A new coulometric titration unit enables chemists to dispense with standard reagents, as the whole titra-tion is performed by the internal generation of ions within the solution being analysed. A comprehensive display of pH and automatic titration equipment and a direct reading fluorimeter of high sensitivity were among other exhibits.

Featured on the stand of ELECTRO-THERMAL ENGINEERING, LTD., 270 Neville Road, London, E.7, were two new items: Thermocord and Flexible furnace. Thermocord is a rugged flexible heating cable with glass fibre braided insulation for temperatures up to 450° C. The company's Flexible furnace is a robust 1,000° C, surface heater. It is built up from a network of resistance wires insulated by specially constructed interlocking high temperature resistant ceramic high temperature resistant ceramic blocks.

A range of deionisers for the pre-paration of purified water was shown by ELGA PRODUCTS, LTD., London, S.W.19.

Lowered manufacturers' costs by speeding up the filling of containers and making overweight allowances unnecessary are claimed for an electronic system of controlling weighing equipment shown by E.M.I. ELECTRONICS, LTD., Hayes, Middlesex.

Sieves to British Pharmacopœial standards were among the exhibits of ENDECOTTS (FILTERS), LTD., London,

S.W.19. The rapid separation of particles effected by a nest of sieves on an Endrock vibrator was demonstrated when a mixture of coloured material was graded into six different sizes in thirty seconds.

A production model of the Eel blood cell counter was shown by Evans Electroselenium, Ltd., Harlow, Essex. With an accuracy of ± 3 per cent, the instrument counts blood cells at a rate of 5,000 in ten seconds. cells at a rate of 5,000 in ten seconds. Also exhibited was a prototype of a compact, self-contained fluorimeter (production model expected in about four months' time) originally designed for the estimation of adrenaline and vitamins. Its sensitivity is extremely high.

A range of more than fifty items of Exelo laboratory apparatus including measuring flasks, and cylinders, measuring flasks, and cylinders, separating funnels and test tubes that take only one size of polythene or glass stopper was exhibited by W. G. Flaig & Sons, Ltd., 39 Waterloo Road, London, N.W.2. A feature of the measuring flasks is the wide neck and mixing chamber for easy filling or emptying. Also shown by the same company was the Exelo interchangeable stopcock that is non-sticking and non-leaking.

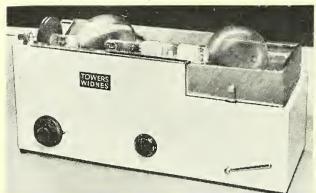
All types of equipment for microscopy and biology were on view at the stand of Flatters & Garnett, Ltd., Manchester, 13. A special feature was made of microprojection outfits.

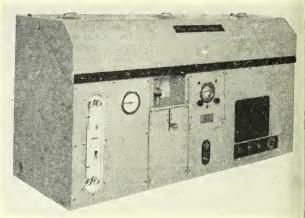
A wide range of instruments for temperature measurement and control were to be seen at the stand of FOSTER INSTRUMENT Co., LTD., Letchworth, Herts. High precision laboratory, thermo-couple immersion and surface contact pyrometers were shown. Opti-cal and radiation pyrometers demonstrated how temperature measurement can be made from a distance.

The Griffin Autopoise centrifuge was exhibited by Griffin & George, Ltd., exhibited by GRIFFIN & GEORGE, LTD., Ealing Road, Alperton, Wembley, Middlesex. Of novel design, the rotating system includes the bowl as well as the centrifuge head. The head accommodates eight 15-mil or eight 50-mil buckets, or any paired combination of those capacities. Adapters accommodate all micro-centrifuge tubes to British Standard 1428. Wassermann to British Standard 1428, Wassermann and haematocrit tubes and pathological vials (McCartney bottles). The maximum speed attainable is 3,500 revolutions per minute.

Need for a smaller dual-purpose ultra-violet water steriliser has been met by Hanovia Lamps, Division of Englehard Industries, Ltd., Slough, Bucks. A steriliser of an approximate capacity of 300 gallons per hour was among the new equipment shown. The quartz lamp assembly can be used separately as an impersion unit for separately as an immersion unit for drinking or process water tanks of about 50 gall, capacity.

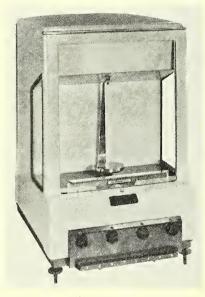
ISOPAD, LTD., Boreham Wood, Herts, featured electric heating mantles and flexible clectric heating tapes suitable for frost protection lagging and other Below, circulating evaporator (J. W. Towers & Co., Ltd.); right, Eef blood cell counter (Evans Electroselenium, Ltd.).





Humidity cabinets, airflow ovens, thermostatic equipment and general laboratory apparatus were shown by LABORATORY EQUIPMENT (LONDON), LTD., E.7.

A system of fire prevention by nuclear detection was demonstrated by the MINERVA DETECTOR CO., LTD., Richmond, Surrey. Alarm lights on a display panel indicate the origin of the alarm and the signal can be applied to ring alarm bells or actuate firefighting equipment,



Redesigned analytical balance (L. Oertling, Ltd.).

The NATIONAL CASH REGISTER CO., LTD., 206 Marylebone Road, London, N.W.1, demonstrated the National-Elliott data processing system. Using their system a tape can be punched simultaneously with, for example, registration of a sale on a cash register. The tape is read by a high speed tape reader and electrical impulses so produced are fed to a computer which can also be fed from a magnetic "memory" which stores such information as discount rates and customers' addresses. The computer delivers its results in the form of electrical impulses to a high speed punch which produces punched tape which in turn is fed to an automatic printer which reproduces the processed data. The computer feeds back into the

"memory" information that will be required again.

Analytical balances by L. Oertling, Ltd., Cray Valley Road, Orpington, Kent, have been completely redesigned and a new range of fifteen different models is now available. Features are balance beams of new shape and material enclosed separately from the weighing compartment.

Cybernetic instruments were demonstrated by SOLARTRON ELECTRONIC GROUP, LTD., Thames Ditton, Surrey. Among applications of those instruments is the control of the rate of supply of components, such as packaging containers, to individual operators on a conveyor belt, in accordance with the rate at which the components are used by those operators

by those operators.

Laboratory heat is made to measure in the electric jackets of the Stabilag Co., Ltd., Hemel Hempstead, Herts. Heating mantles can be made for flasks and vessels of all shapes and sizes as is demonstrated by Soxhlet and Kjeldahl extraction units. A recently produced electric jacketed tilting heating pan was also on view.

The Ultramatic automatic one-pan balance which is claimed to be the

fastest instrument of its kind was ex hibited by STANTON INSTRUMENTS, LTD. 119 Oxford Street, London, W.1. Three models are available.

Permanent glass colour standards for over 300 chemical colorimetric analytical tests were shown by The Tint ometer, Ltd., Salisbury, Wilts.

A circulating evaporator was exhibited by J. W. Towers & Co., Ltd., Victoria House, Widnes, Lancs. The evaporator consists of a flask and condenser revolving on a common axis the flask revolving in a hot bath and the condenser in a cold one.

Glove cabinets for radioactivity and remote handling tongs were among the exhibits at the stand of Townson & MERCER, LTD., Croydon, Surrey.

MERCER, LTD., Croydon, Surrey.

A wide selection of dispensing balances is a feature of the stand of WILLIAM A. WEBB, LTD., 9 Perrymans Farm Road, Ilford, Essex. With a sensitivity of gr. 0-1 and capacity of 2 oz., all the dispensing scales are of good design and robust construction G. H. Zeal, LTD., Lombard Road Morden Road, Merton, London S.W.19, showed a low-range clinical thermometer with specially thin bult

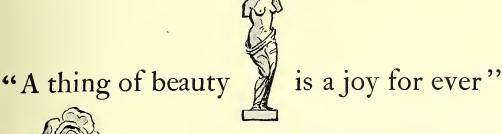
for use in brain operations.

MACHINERY AND PLANT NOTES

New Model Emulsifier. - The latest model of the Rapisonic range of emulsifiers made by Ultrasonics, Ltd., Westgate, Otley, Yorks, is the mark III. Like its predecessors the new emulsifier niakes use of inaudible sound wavesproduced by the fluid dynamic forces of the liquids to be emulsified—as an aid to emulsification and homogenisation. Emulsification or dispersion is effected by a blade which vibrates at its natural frequency in the liquid stream leaving the jet form. The vibrations are in-audible to the human ear. The mark III has as prime mover a special lighttotally enclosed, fan-cooled Standard electrical supply is weight, motor. 400/440 volts, three-phase, fifty cycles but motors for other currents can be supplied. Rigid standards of precision are maintained in the construction of the pump. Solid 18/8 stainless steel bar is used for the pump body and the medium to be processed is in contact only with machined and polished surfaces. Ball races, completely sealed off from the liquid, are the pump bearings, and a spring-loaded relief valve is incorporated as a safety device. Various gear

materials and gland seals are available to reduce the corrosive effects of products to be homogenised. The vibrating element itself and the ancillary pipe work are fabricated in 18/8 quality stainless steel and polished externally and internally where practicable. Ancillary equipment, all fabricated from 18/8 stainless steel, is available as well as suction hose made of non-contaminating rubber or of thick walled PVC. A special mounting device for clamping the Rapisonic to a vessel or girder is also available as extra.

"Ideas" in Chemical Apparatus.—A publication "New Ideas in the Chemical Apparatus and Equipment Field," is published by the Dechema (Deutsche Gesellschaft für chemisches Apparatewesen), Rheingau-Allee 25, Frankfurl am Main, Germany. A book of 420 pages, with 229 illustrations, it contains the full series of lectures delivered at the First Congress of the European Federation for Chemical Engineering, the annual congress and general meeting of the Dechema, 1955, and the Achema Congress, 1955. The price to members is DM 39, to nonmembers DM 48·75.





"But beauty faded has no second spring"

"Absence makes the heart



grow fonder"

"Out of sight



out of mind"

"Too many cooks spoil the broth



"Many hands



make light work"

Competitive quotations on request

—for Adrenaline, Atropine, Benzamine Salts, Bismuth Salts, Carbachol, Cinchophen, Emetine and E.B.I., Ephedrine, Ergometrine, Homatropine, Hyoscine, Hyoscyamine, Ouabain, Physostigmine, Pilocarpine, Quinine, Strophanthin-K, Sulphaguanidine, and many other alkaloids and glycosides.

B.W. & CO. FINE CHEMICALS



BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) LONDON

New—and even more effective!

'SULMEZIL' V



contains PENICILLIN V and 'Sulphamezathine'

THE NEW formulation of 'Sulmezil' is called 'Sulmezil' V because, in addition to 'Sulphamezathine', it now contains Penicillin V. This recently introduced oral penicillin is rapidly absorbed and gives consistent blood levels. It has proved markedly superior in these respects to other oral penicillin preparations.

'Sulphamezathine' is the well-known sulphonamide which has been widely accepted for many years on account of its high potency coupled with low toxicity.

'Sulphamezathine' is undoubtedly the best sulphonamide for routine use.

Tablets of 'Sulmezil' V thus provide

a convenient, easily administered combination of two very effective and safe drugs.

Each tablet contains 60 mg. of penicillin V and 0.5 g. of 'Sulphamezathine'. In packs of 25, 100 and 500.



'Sulmezil' V tablets



IMPERIAL CHEMICAL INDUSTRIES LIMITED Pharmaceuticals Division

Wilmslow

Cheshire

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, JUNE 5: Trade in established Pharmaceutical Chemicals continued quiet during the week both on home and overseas accounts. In CRUDE DRUGS, all varieties of IPECACUANHA were unobtainable from origin while the small lot of spot material was held by second-hand sellers.

Spot AGAR was slightly cheaper upon ower quotations at origin, whilst Fragacanth was easier at £165 per owt. for the No. 1 grade. Gum ACACIA was dearer by 5s. per cwt. Also dearer was Cassia Bark, both whole and proken moving up 5s. per cwt. Senega was not firmly quoted by origin but it s understood that their idea of the new crop value is higher than the present price of old crop held on the spot. furmeric was down 5s. per cwt. as shipment quotations continued to ease; Pepper on the other hand was some-what firmer. A small consignment of GUM MYRRH is being offered on the spot after an absence of several pot nonths.

Price changes in the ESSENTIAL OIL market were mainly in a downward direction but Bois de Rose was threepence per lb. dearer on the spot and the forward rates for Formosan citronella were twopence or three-pence per lb. up. Easier were Penang Patchoull (down one shilling per lb.), Mysore Sandalwood (2s. 6d.), Anise three-halfpence per lb.) and Chinese Peppermint (sixpence).

PEPPERMINT (sixpence).

Pharmaceutical Chemicals

ALOIN.—Spot lots are from 23s. per lb. ANEURINE HYDROCHLORIDE. — Price per tilo is £17 7s. 6d, with 10-kilo lots at 17 2s. 6d, per kilo.

ASCORBIC ACID. — Rates per kilo: 1 tilo, £4 18s.; 10 kilos, £4 16s. SODIUM SCORBATE is offered at the same prices.

BENZAMINE.—In 16-oz, lots Lactate is 5s, 3d, per oz, and Hydrochloride 6s, 3d, per oz,

BENZOIC ACID.—1-cwt, lots are 2s. 11½d. er lb.; the SODIUM SALT is 2s. 9½d, per b. in 1-cwt, lots.

CAFFEINE. — Minimum rates for 5-cwt. r 250 kilos and over are as follows (kilo rice in parentheses): — Monohydrate, 7s, 6d. per lb. (38s, 9d.); Anhy-Rous 18s. (39s. 9d.); CITRATE, 11s. 6d. 25s. 3d.); AND SODIUM BENZOATE, 13s, 3d. 29s. 3d.) AND SODIUM SALICYLATE, 4s. 9d. (32s. 3d.).

EXCHANGE RATES ON LONDON

At the opening on Wednesday

richandia .	Plastres to £	9/3-9/3
Amsterdam	Florins to £	10.56-10.72
Bombay	Shillings to	
	rupee	1/5禄-1/6表
Brussels	Francs to £	138 95-141 05
Copenhagen	Kronor to £	19 • 19 1-19 • 48 1
Dutch West		
Indies	Florins to £	5 • 26 - 5 • 29
Hong Kong	Shillings to \$	1,213-1/215
Karachi	Shillings to	-/-16 -/-16
	rupee	1/5 15-1/6 1
Lisbon	Escudos to £	79 - 90 - 81 - 10
Montreal	Dollars to £	2.65 15-2.66 1
New York	Dollars to £	2.78-2.82
Oslo	Kronor to £	19.85-20.15
Paris	Francs to £	972 • 6-987 • 3
Stockholm	Kronor to £	14 - 37 1-14 - 59 1
Singapore	Shillings to \$	2/37-2/4
Zurich	Francs to £	12.15 3 -12.33
		Bank of England
Bank rate: 5	per cent. from	Echmony 7
Dunk Tate. 5	per cent. from	rebruary /.

CALCIUM PANTOTHENATE.—Price per kilo is £22 17s. 6d.

CHINIOFON.—B.P. 1948 is 67s, per kilo; 50-kilo lots, 62s, 6d, per kilo. The sodium derivative (B.P. 1953) is 99s, 4d, and 92s, 9d, for the same quantities.

CHLOROFORM.—1-cwt, lots in winchesters are 3s. 6d, per lb.; 56-lb., 3s. 6½d. In drums, prices are 3s. 4d. and 3s. 4½d. per lb. respectively.

CINCHOPHEN.-l-cwt, lots are quoted at 21s, per lb.

CREAM OF TARTAR.—Rates for the home trade are now as follows:—1 ton lots, 231s, per cwt.; 10-cwt., 232s.; 5-9-cwt., 233s.; 2-4-cwt., 234s.; 1-cwt., 235s.

CYANOCOBALAMIN. - Less than 10 gm. lots are £87 10s, per gm.

DICOPHANE (DDT).—Prices are as follows:—1-cwt. lots, 3s. 2d. per lb.; 1-ton, 2s. 11d.

ERGOMETRINE. — For 20-gm. lots the price of the MALEATE, B.P. is £17 10s, per gm., and the TARTRATE, £16 5s. per gm.

FOLIC ACID.—B.P. and U.S.P. is offered on the spot at about 4s, 8d, per gm. in 1-kilo lots,

-Rates for pharmaceutically GLYCERIN.pure are as follows:—

Annual purchases or spot lots of	Un 1-c	der wt.			5-cwt. and under 1-ton		1 ton and under 5 tons		5 tons and under 25 tons	
Per cwt.	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.
INS 14-lb.	241	0	236	6	232	6	228	0	225	6
28-lb.	239	0	234	6	230	6	226	0	223	6
56-lb. Drums	235	0	230	6	226	0	222	0	219	6
1-cwt.	-	-	214	6	210	6	206	0	204	6
2½-cwt.			211	6	208	0	203	6	202	6
5-cwt. 10-cwt.	_		_		207 206	6	202	6	201	0

For 25 tons and upwards the price is from 200s, to 225s, 6d, as to containers. Bulk deliveries in tank wagons from 197s, 6d, to 198s, 6d. Pale straw industrial glycerin, s.g. 1 260, is 5s, per cwt, less than the

above.

GLYCEROPHOSPHATES.—Rates per lb. for 1-cwt, lots are as follows:—ACID, B.P.C., 20 per cent., 5s. 9d., CALCIUM, soluble B.P.C., 11s. 9d.; IRON, B.P.C., scale, 15s, 9d. and powder, 14s. 9d.; MANGANESE, soluble, B.P.C., 14s. 3d., and insoluble, 7s. 6d.; MANGANESE, B.P.C., 26s. 3d.; POTASSIUM, 50 per cent., B.P.C., 5s. 6d.; SODIUM, 50 per cent., B.P.C., 3s. 1d. and 75 per cent., B.P.C., 4s. 6d.

HOMATGRENER —CULTERT 1846 (DEL. 07)

HOMATROPINE.—Current rates (per oz.) for 16-oz. lots are now: Alkaloid, 28s. 6d.; hydroebromide, 23s. 6d.; hydroehloride, 27s. 6d.; methylbromide, 24s. 6d. 1-oz. rates are 1s. 6d. per oz. above those rates.

HYDROGEN PEROXIDE.—Carboy lots of 20 vols, are 5s, per gall. The 35 per cent. (by weight) is 158s, per cwt. in 1-cwt, carboys.

HYOSCINE HYDROBROMIDE. — Quotations are from 97s, 6d, to 115s, per oz. as to quantity and holder.

ISOPRENALINE SULPHATE.—B.P. is 1s. 3d. per gm. for 1,000-gm. lots and 1s. 9d. per gm, for 100-gm, lots.

LACTIC ACID.—B.P. is 4s, 3d, per lb. or 12-winchester lots and 3s, 10d. for 5-cwt. lots.

MAGNESIUM TRISILICATE, - In 28-lb. packages the prices (per lb.) are now as follows:—28-lb., 4s, 9\frac{1}{2}d.; 1-cwt., 3s. 10d.; 5-cwt., 3s. 7d.; 1-ton, 3s. 1d.

MANDELIC ACID.—In 1-cwt, lots the price is 12s, 6d, per lb, with the CALCIUM SALT also 12s, 6d, SODIUM MANDELATE is 13s, and AMMONIUM MANDELATE 50 per cent. solution, 7s. 6d.

MENAPHTHONE.—B.P. is £11 per kilo; ACETOMENAPHTHONE, B.P., £11; WATER-SOL-UBLE (menadione sodium U.S.P.), £15 per kilo.

NICOTINAMIDE. — Prices per kilo are now: 1 kilo, 92s. 6d.; 10 kilos, 90s., 50 kilos, 88s. 6d.

NICOTINIC ACID. — Prices per kilo are 57s, 6d, for 1-kilo and 53s, 6d, for 50-kilo lots.

PARALDEHYDE.—B.P. in 12-winchester lots is 2s, 7d, per lb.; 10-gall, carboy, 2s. 2d., and 5 carboys, 2s. Stabilised in 40-gall. drum lots, 166s, per cwt.; technical, 149s.

PHENOL.—Basic price for ice crystals in drums is 1s. 4\frac{1}{2}d. per lb. (under 1-ton lots, 1s. 7\frac{1}{2}d.). Detached crystals, 2d, per lb. above and LIQUID B.P., \frac{1}{2}d. per lb. below the foregoing basic prices.

PHENOLPHTHALEIN.—Rate for 1-cwt. lots is 11s. per lb.

PHENYTOIN SODIUM. -B.P. is 23s. per lb. in 1-cwt. lots.

Pyridoxine. — Manufacturers' rate for 1 kilo is £121 per kilo; 10 kilos, £120 10s.

QUINIDINE.—Prices are as follows:—

Home Trade	1	500-oz, or more	100-400-oz.
		per oz.	per oz,
QUINIDINE	- 1	s. d.	s. d.
ALKALOID		7 6	7 8
GLUCONATE		8 101	9 1
HYDROBROMIDE		6 2	6 4
HYDROCHLORIDE		6 4	6 6
SULPHATE		5 8	5 91
HYDROQUINIDINE			
HYDROCHLORIDE		10 7	10 10
GLUCONATE		8 1	8 4

For export quinidine alkaloid (crystals) ranges from £11 17s, 3d, to £12 2s, 4d, per kilo and sulphate from £9 to £9 5s, 1d.

QUININE.—Makers' nominal rates (per oz.) for 100-oz. lots and over are:—ALKALOID, 3s. 10d.; ACETYLSALICYLATE, 5s. 4d.; BISULPHITE and SULPHATE, B.P. 1932, 2s. 8d.; SULPHATE, B.P. 1948, 3s.; DI-HYDROBROMIDE and DIHYDROCHLORIDE, 3s. 10d.; FORMATE, 4s. 8d.; GLYCEROPHOS-PHATE, 4s. 5d.; PHOSPHATE, 4s. 4d.; HYDROBROMIDE and HYDROCHLORIDE, 3s. 5d.; SALICYLATE, 3s. 11d.; QUININE and UREA HYDROCHLORIDE, B.P.C., 4s., TANNATE, 2s. 7d.

RIBOFLAVINE. — Price (per kilo) is £18 10s, for 1-kilo and £18 5s, for 10-kilo lots.

Salicin.—Quoted at 18s. 6d. per oz. TEREBINTH.—B.P. is 2s, 3d, per lb.

VITAMIN A. — Synthetic, Supplied in strengths of 200,000 international units per gm. the price is 11¼d, per million i.u. Natural is 1s, 4d, per million units,

VITAMIN D₂.—In oil, 2 million units per gm. the price is 2d. per million international units. Crystalline see under calciferol. D₃, 2d. per million units in oil; crystalline, 17s. per gm.

VITAMIN E (synthetic). — TOCOPHERYL ACETATE, B.P.C., 10 gm, to 100 gm., 1s, 2d, per gm.; 100 gm, to 1 kilo, 1s, per gm.; 1 kilo and under 10 kilos, £45 per kilo; 10 kilos, £44 15s, per kilo.

Crude Drugs

ACONITE. — Spot supplies of Spanish napellus are 3s, 3d, per lb., duty paid. AGAR.— $Kob\acute{e}$ is 12s. $4\frac{1}{2}$ d. per lb., duty paid. Shipment, 10s. $7\frac{1}{2}$ d., c.i.f.

ALOES, — Cape prime for shipment is 312s. per cwt., c.i.f. and spot, 330s. Curação for shipment is about 400s.,

ANISEED (STAR). - Chinese is 160s, per cwt. on the spot.

Antimony.—English 99.6 per cent. is £222 10s.; 99 per cent., £210 per ton.

BALSAMS.—Quotations (per lb.) are:—CANADA: Spot value 30s; new-crop for June-July shipment, 26s., c.i.f. COPAIBA, Para is from 7s. 9d, to 11s., duty paid. PERU, 10s., duty paid. ToLU (genuine as imported), 27s. 6d.; B.P., 17s. 6d., spot.

Buchu.—Spot rounds are from 7s. to 7s. 3d. per lb.; shipment, 6s. 3d., nominal.

CARDAMOMS. — Aleppy greens on the spot are 15s. 3d. per lb. and shipment, 14s. 3d., c.i.f. No. 1 seed, 21s. per lb.

CASCARA SAGRADA. — American 1955 peel is 345s. per cwt., duty paid. processed peel for prompt shipment, 295s., c.i.f. New-crop, July-August, 260s., c.i.f., quoted quoted.

CASSIA BARK. — Dearer, Whole on the spot is now quoted at 120s, per cwt., in bond, and broken, 105s, in bond. For shipment broken No. 1 is 105s., c.i.f., and whole 112s. 6d., c.i.f., nominal

CHILLIES.—Mombasa on the 240s. per cwt.; shipment not offering.

CINNAMON.—Ceylon for shipment (c.i.f.) per lb., OOOO, 8s.; OOO, 7s. 11d.; OO, /s. 7½d.; seconds, 6s. 10d.; featherings, 2s. 7½d.; quillings, 4s. 6d.; chips, 1s.

COCHINEAL. — Silver - grey Peruvian, 12s. 6d. per lb. Canary Isles black-brilliant, 28s.

DIGITALIS LEAF.—Purpurea is offered at 1s. 3d, per lb., c.i.f.
ERGOT. — Portuguese is 6s. per lb., c.i.f., for prompt shipment and also 6s. spot. American, 7s. 3d., c.i.f. Bulgarian, spot. American, /s. 3d., c.i.f. Bulgarian, 9s. 6d.; Hungarian defatted, 13s. 6d., spot.

GINGER. — African on the spot is 170s. er cwt. and June shipment, 160s., c.i.f. GINGER. — Affician on the spot is 170s, per cwt, and June shipment, 160s., c.i.f. Jamaican No. 3 on the spot is offered at 610s. and June shipment at 560s., c.i.f. Cochin spot, 135s.; shipment, 115s., c.i.f. GUM ACACIA. — Kordofan cleaned sorts are 150s, per cwt. on the spot; afloat, 132s. 6d. c.i.f.

132s, 6d., c.i.f.

HONEY. — Quiet. Australian light-amber is 120s, to 125s, and medium-amber, 112s. 6d, to 115s, Argentine, 125s, to 130s.; Jamaican, 145s, to 150s., all per cwt., on the spot.

1PECACUANHA.—Panamanian on the spot 53s. 6d. per lb.; no forward offers from any origin.

JALAP ROOT. — Mexican is from 5s, 6d. to 6s, 6d. per lb. on the spot, according to test.

KARAYA.—No. 1 gum on the spot is now quoted at 245s, per cwt. and No. 2 at 205s.

Kola nuts. — Jamaican are offered at about 8d. per lb., spot, and $6\frac{1}{2}$ d., c.i.f. African, $6\frac{1}{2}$ d. spot and $4\frac{1}{4}$ d., c.i.f.

African, 6½d, spot and 4½d, c.i.l.

Liquorice, — Natural root: Anatolian is 45s, per cwt., Russian, 50s., and Persian, 45s, per cwt., spot. Block juice: Anatolian, 200s, per cwt.; Chinese and British, 195s, on the spot. Italian stick from 310s, to 476s, per cwt. Spray-dried extract, 2s, 9d, per lb.

LOBELIA HERB. — Spot offers are from 5s, 9d, to 6s, 6d, per lb.

MACE. — Whole on the spot is from

22s. 6d. per lb.

MENTHOL.—Chinesc. Spot is 49s, 6d. per lb., duty paid; July-August shipment, 46g, 6d., c.i.f. Brazilian, spot, 41s., duty paid; shipment, 38s., c.i.f. Formosan, 42s. 6d., c.i.f.

Nutmegs. — West Indian 80's not quoted; sound unassorted, 16s. 6d. per lb.; wormy and broken, 11s. 6d.

Orange Peel. — West Indian bitte quarters are 11d. to 1s, per lb.; Spanis 1s. to 1s. 3d.; thin-cut Tripoli, 2s. 3d. Spanish

PEPPER.—White Sarawak is 2s. 3½d. per PEPPER.—White Sarawak is 2s, 3\fmathbb{4}d, per lb. on the spot, with June shipment at 2s, 3d., c.i.f. Black Sarawak is offering on the spot at 1s, 8\fmathbb{4}d, per lb., June shipment, 1s, 7\fmathbb{4}d, c.i.f. Black Malabar unchanged at 210s, per cwt. on the spot; prompt shipment, 205s., c.i.f.

PIMENTO. — Spot is 495s, per cwt, with forward at 450s., f.o.b.

QUASSIA.—Chips are 42s. 6d. per cwt. on the spot. Shipment not quoted.

QUILLAIA.—Spot offers of bark at 195s. per cwt. with shipment at 145s., c.i.f.

RHUBARB.—Quotations for Chinese are from 6s, 6d, to 9s. 3d. per lb., as to quality.

SARSAPARILLA.—Jamaican native red on the spot is 2s. 9½d, per lb., and for shipment, 2s. 8d., c.i.f.

SASSAFRAS.—Selected bark is 5s, per lb.
SEEDS (Per cwt.). — ANISE.—Cyprian,
172s. 6d.; Bulgarian, 160s., duty paid.
CARAWAY. — Dutch offered at 115s., duty
paid, no business reported. CELERY. —
Indian is quiet at 180s, on spot. CORIANDER. — Spot: Moroccan, 95s.; Rumanian,
65s.; Polish or Bulgarian, 60s., all duty
paid. Shipment: Moroccan new-crop for
July-August is reduced to 61s., c.i.f.
CUMIN. — Steady. Spot: Cyprian, 165s.;
Iranian, 135s. in bond. DILL.—Indian unchanged with sellers quoting 62s, 6d., spot.
FENNEL.—Indian is quoted at 120s. spot,
with a little interest shown. FENUGREEK.—
Indian unchanged at 67s. 6d., spot;
Moroccan, 67s., duty paid. MUSTARD.—
English 60s. to 72s. 6d., according to
quality. Sassafras.—Selected bark is 5s. per lb. quality.

SENEGA.—Spot is 18s. 6d. per 1b. with shippers asking 18s., c.i.f.

SENNA. — *Tinnevelly* LEAVES are short on the spot, Prime No. 1, 1s, 5d, per lb., f.a.q., June delivery, 10d.; PODS, f.a.q., cleared; hand-picked, 1s, 3d, to 2s. *Alexandrian* pods available from 1s, 6d, to 3s, 6d, per lb., with hand-picked at from 4s, 6d, to 6s, 6d.

SHELLAC. — F.O.T.N., 225s. per cwt.; F.O. No. 1, 240s.; fine orange, 270s. to 330s.

SLIPPERY ELM. - Grinding quality bark is 2s. 6d. per 1b.

SQUILL.—White is offered on the spot at 57s, to 62s, 6d.

STROPHANTHUS.—Kombé on the spot is 6s, 6d. per lb. for the 100 per cent.; Gratus is 11s. 3d., in bond.

STYRAX. — Scarce on the spot, Price nominally 8s. 9d, per lb, No shipment offers.

Tragacanth.—No. 1 ribbon is £165 to £170 per cwt., No. 2, £145 to £150.

TURMERIC.—Madras finger on the spot is 70s, per cwt, with new-crop, June-July shipment at 56s.

Valerian root. — Dutch for prompt shipment is 182s, per cwt., c.i.f., and Belgian, 190s., c.i.f. Indian on the spot is 1353. per cwt.

Vanillin. — Rates (per lb.) are:-5-cwi. lots, 27s. 3d.; I-cwt., 27s. 6d.; 56-lb., 27s. 9d.; smaller quantities, 28s.

WAXES. — (Per cwt.). BEES'.—Dar-es-Salaam, spot, 560s., shipment, 535s., c.i.f.; Sudanese, 550s., duty paid and 505s., c.i.f. Abyssinian, spot, 520s., in bond; June shipment, 510s., c.i.f. CANDELILLA.—Spot is 530s. CARNAUBA. — Fatty grey, spot, 560s. per cwt.; for shipment, 545s., c.i.f., Prime yellow, spot, 1,130s.; shipment, 1,085s., c.i.f.

WITCH HAZEL LEAVES. — Spot supplies are 2s. 3d. per lb.; prompt shipment, 2s. 1d., c.i.f.

Essential and Expressed Oils

Anise.—Chinese, 12s. 1½d. per 1 spot, shipment, 12s., c.i.f.

Bois DE Rose.—Brazilian is 25s. 9d. I lb. on the spot and 25s., c.i.f.

CAMPHOR, WHITE. — Chinese is 2s, 41 per lb., duty paid.

CANANGA.—Spot is from 52s. to 56s. r

CARAWAY. — English-distilled is offer at 55s. and imported from 28s. to 2 per lb., duty paid.

Castor, — Minimum charge for hon produced B.P. oil on the spot is £195 I ton naked ex mill. CEDARWOOD.—1-cwt. lots of

are 7s. per lb., and Kenya, 4s. 6d. CELERY SEED. - Oil is 100s, per lb, f

bulk lots. CHENOPODIUM. — Spot value is no

35s, per 1b, for original containers. CINNAMON. — From quillings, Englis distilled is quoted at 55s. per oz.; ott B.P. oils from 165s. per lb. Ceylon le crude, 14s. 6d. and rectified, 25s. per l

CITRONELLA. — Ceylon, spot, 5s. 44c June-July shipment, 4s. 10d., c.i.f. Formosan, June shipment, 6s. 4d.; Septe ber-October, 6s., c.i.f., and spot, 7s.

CLOVE.—Madagascar leaf is 8s. 4½d. r lb., duty paid and 7s. 2d., c.i.f. for sh ment. Rectified B.P., 17s. 6d.; 87-88 r cent., 10s. 6d. Distilled bud oil, Englis from 28s. 9d. to 35s. as to quantity. Englis

Cod-Liver.—B.P. is 11s, 6d, per ga charged returnable drums. Veterina is from 9s. 6d. per gall.

GERANIUM.—Bourbon is 120s, per on the spot and Algerian, 97s. 6d.

GINGER. — English-distilled oil is 19t per 1b, Imported: Jamaican, 167s. 6d Chinese, 100s., duty paid.

LEMONGRASS.—Spot is 8s. 4½d. per land June-July shipment, 8s. 1d., c.i.f.

LIME.—West Indian distilled is 45s, p lb. on the spot.

PATCHOULI.—Penang is 33s., in bor and 32s., c.i.f.

PEPPERMINT. -- Arvensis : Chinese 288, per lb, on the spot and 278, 6c c.i.f. Brazilian, 188, 6d., spot, and 18 c.i.f. Formosan, June, 17s, 6d., c.i.f.; sp 191, 9d, Italian "Mitcham"-type oil (spot is from 52s, 6d.; American, 28s, 40s, est to crivity. 40s, as to origin.

PETITGRAIN. - Paraguay is offered 23s. 6d. per lb.

SAGE.—Spanish is from 8s, 9d, to 9s, 6 per 1b, on the spot and Dalmatian, 30s.

Sandalwood. — Mysore is 87s, 6d, p lb, for lots of about 2-cwt.

Sassafras. — Brazilian is 3s. 7½d. p. lb., duty paid.

Spearmint. — Offers of U.S.P. grader from 29s, per lb, on the spot.

Tangerine. — Spot supplies offer from 23s, to 36s, per lb. as to quality.

THYME. — Spot is from 10s, per 11 according to content.

VETIVERT.—Spot is currently at abo 95s. per 1b.

UNITED STATES REPORT

New York, June 4: In Crui Drugs, price movements were cor paratively few during the week. A pri advance for SODIUM ACID CITRATE ANH DROUS of three cents a lb. was a nounced by one maker. Dealers reporte a slackening in both sales and inquiri for the general line of OILS at AROMATIC CHEMICALS.

PHARMACEUTICALS IN LATIN AMERICA

Reasons for high production costs

THE chemical industry has made considerable progress in Latin America in recent years. Development, however, is retarded in several of the republics by power shortages and small domestic markets. As regards pharmaceutical products, the bulk of the population in outlying districts, having limited financial resources, still relies to a great extent on wild herbs and other household remedies. Production is therefore restricted and costs, necessarily high, and further swelled by inflation and internal currency depreciation, boost local prices beyond those of imported articles, so that manufacturers have to be protected by import restrictions or high tariffs. According to Latin American Highlights (edited by the Chase National Bank), the average price of sixteen chemical products, manufactured in Argentina, is twice the c.i.f., price of American similars. At the same time exchange difficulties have reduced imports, which have dropped by 18 per cent. during the past two years, to the equivalent of U.S.\$74 millions in 1956.

In certain countries, such as Brazil, an interesting foreign market was developed during the second world war, particularly within Latin America, but has disappeared gradually, because of high prices and inadequate transportation facilities by land and sea. Conse-

quently many factories and laboratories are now obliged to operate below capa-eity. Brazil, who still sold medicines and unspecified chemicals, valued at U.S.\$364,000, to Venezuela as late as 1952, shipped only U.S.\$7,000 worth in 1956. In the latter year exports of medicinal products to Colombia, at one time a remunerative market, ceased entirely, while sales to Peru had dropped in value to U.S.\$1,000.

Attempts are now being made to expand commercial interchanges within the continent and form a Common Latin American Market, free of customs and other restrictions, and a multilateral trading system. The idea that they may be forced by developments in Europe to take such a step is gaining ground, but the obstacles are many. Among those are the complex exchange systems, unstable currencies, inadequate transportation, limited range of possible interchanges, strong nationalist sentiments, national rivalries and the fact that many republics depend for their prosperity on the same ex-portable products. Moreover, possible buyers of manufactured goods, including chemical and pharmaceutical products, are loth to switch purchases from well-tried suppliers in Europe and the U.S. and, in many cases, cannot do so without causing damage to their own

TRADE MARKS

export trade.

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," May 22

For perfumes, toilet preparations (not medicated), cosmetic preparations, dentifrices, depilatory pre-parations, toilet articles, sachets for use in waving the hair, and essential oils (3)

TEELAK, 761,167, by Picrre Pelissard, Casablanca, Morocco.

For all goods (5)

CELLUSAN, 746,692, by Kimberly-Clark, Ltd., Larkfield, Kent. ANTALBY, BILKABY, BILKONES, SEDALBY, 756,754-57, by Bailly, Ltd., Wembley, Middlesex. SEAGLOW, 761,434, by Theaker, Chemist, Ltd., Hastings. Sussex, SYNEVAC, 762,319, by Parke, Davis & Co., Detroit, U.S.A., and Hounslow, Middlesex, JUVITA, 762,335, by Optrex, Ltd., Greenford, Middlesex.

For pharmaceutical preparations and substances (5)

TETRABON, 755,930, by Chas. Pfizer & Co., Inc., New York, U.S.A. OPIDE, 760,061, DAVINE, 763,695, by Duncan, Flockhart & Co., Ltd., Edinburgh. DELTARINOL, 762,350, by Lepetit, S.p.A., Milan, Italy.

For cotton-tipped swabs for veterinary and sanitary purposes (5)

TWIN-TOTS, 757,115, by Q-Tips, Inc., Long Island City, New York, U.S.A.

Far antibiotics and antibiotic preparations (5) BESOMYCIN, 761,530, by C. H. Boehringer Sohn, Ingelheim on Rhine, Germany.

For pharmaceutical preparations and substances far human and veterinary use (5)

BENUTREX, 761,703, by Organon Laboratories, Ltd., London, W.C.2. MAREVAN, 761,952, by Evans Medical Supplies, Ltd., Speke, Liverpool, 19.

pharmaceutical preparations for human and veterinary use, sanitary substances, medical and surgical plasters, material prepared for bandaging, disinfectants and antiseptics (5)
MANARON, 762,144, by J. R. Geigy, S.A.,

Basle, Switzerland.

For pharmaceutical preparations and substances for use in the treatment of bronchial ailments (5) BRONCHIPAX, 762,205, by Medopharma, Ltd., Richmond, Surrey.

For pharmaceutical æstrogenic preparations (5) OXESTROL, 762,308, by Boots Pure Drug Co., Ltd., Nottingham.

For surgical dressings and surgical swabs, all made of natural or artificial sponge (5)

SURGEL, 762,421, by Chas. F. Thackray, Ltd., Leeds, Yorks,

For anæsthetics for veterinary use (5) MONOVEN, 763,131, by C. J. Hewlett & Son, Ltd., Watford, Herts.

For penicillin and preparations and products containing penicillin, all for human and veterinary use (5)

PEN-VEE, 763,397, by American Home Products Corporation, New York, U.S.A.

For photographic apparatus and instruments and parts, lens-testing instruments; focal length measuring apparatus; film-feed devices, cinematographic apparatus; camera tripod stands, etc. (9)
LIBELLE, 755,383, by Contina Bureaux-und

Rechenmaschinenfabrik, A.G., Vaduz, Liechten-

For scientific, photographic, and measuring apparatus and instruments, all being goods made wholly of glass (9)

PYREX, 758,240, by James A. Jobling & Co., Ltd., Sunderland, Durham.

For lenses; and optical, cinematographic and

photographic apparatus and instruments (9) HILASCOPE, 760,471, by Projection Optics, Ltd., London, W.C.1.

For cinematographic projection apparatus and fittings; and sound reproducing apparatus and parts and fittings, etc. (9)

TONESCRIPT, 760,891, by Tonescript Productions, Ltd., Croydon, Surrey.

From the "Trade Marks Journal," May 29 For sensitised photographic films (1)

PATHESCOPE, B746,971, by Pathéscope, Ltd., London, N.W.2.

For absorbent magnesium silicate for use in scientific and industrial research (1)

FLORISIL, 756,825, by Floridin Co., Florida, Tallahassee, U.S.A.

For chemical products used in industry, science, photography, etc. (1)

OROPON, 758,674, by Rohm & Haas, G.m.b.H., Darmstadt, Germany. MANOLENE, 758,711, by Manufacture Normande de Polyéthylènes, Paris, France.

For chemical products used in manufacture (1) NIPAINVERTOL, 760,027, by Nipa Laboratories, Ltd., London, E.C.3.

For chemical products used in industry and science; and synthetic resins and plastics in the form of powders, pastes, liquids, emulsions, dispersions and granulates, all for industrial use (1) CATA, 761,902, by Catalin, Ltd., Waltham Abbey, Essex.

For chemical substances for use in industry (1) FORTIMAX, 762,270, by Imperial Chemical Industries, Ltd., London, S.W.I. CARDURA, 762,608, by the Shell Petroleum Co., Ltd., London, E.C.3.

For all goods (1)

PILLOPREN, 763,216, by Jobro, Ltd., London, N.W.1. PIPRONE, 763,514, by May & Baker. Ltd., Dagenham, Essex.

For chemical products used in agriculture, horticulture and forestry; and manures (natural and artificial) (1)

NATRANURE, 763,567, by Soilcraft, Ltd., Chelmsford, Essex.

For detergents for domestic use (3)

CRANTOL, 759,374, by Cranton Chemical Co., Ltd., Manchester, 15. TERGEX, 763,682, by Henry W. Peabody (Industrial), Ltd., London. S.E.1.

For soaps (3)
TOP C, 760,642, by Cussons, Sons & Co., Ltd., Kersal Vale, Manchester, 7.

For soaps, perfumes, non-medicated toilet preparations, cosmetic preparations, depilatory preparations and preparations for the hair (3)

SARI, 760,690, by Gala of London, Ltd., London, W.1.

For all goods (3)

TRILL, 760,746, by Colgate-Palmolive, Ltd., London, W.C.2.

For all goods but not including flavourings (essential oils) or depilatory preparations or any goods of the same description as flavourings (essential oils) or depilatory preparations (3)

FLIGHT, 760,744, by Colgate-Palmolive Co., New York, U.S.A.

For detergents (not for use in industrial or manufacturing processes); preparations for laundry use; cleaning, polishing, scouring and abrasive pre-parations; and soaps, perfumes, cosmetics and non-medicated toilet preparations (3)

VORITA, 761,455, by Domestos, Ltd., Newcastle-on-Tyne.

For perfumes, toilet preparations (not medicated), cosmetic preparations made wholly or principally of silk, dentifrices, depilatory preparations, toilet articles, sachets for use in waving the hair, soaps, and essential oils (3)

SILKALECT, 762,108, by Dubarry Perfumery Co., Ltd., Hove, Sussex.

For abrasives and abrasive products (3) FLEXDRI, 763,444, by Flexible Abrasives, Ltd., Hayes, Middlesex.

For non-lathering shampoos for birds (3) PLUMAGENE, 763,518, by Vitacoat, Croydon. Surrey.

WILLS

MR. E. S. DAVIS, M.P.S., The Chantry, 52 Parton Road, Cheltenham Road East, Gloucester, left £10,724 (£8,025 net).

Mr. A. H. Fussell, M.P.S., 119 Bell Hill Road, St. George, Bristol, left £16,022 (£15,274 net).

MR. W. H. KEMP, M.P.S., Werrington, Staffs, left £16,210 (£12,020 net).

Mr. H. L. WAINMAN, M.P.S., 43 Albert Street, Mansfield, Notts, left £17,352 (£17,300 net).

Mr. F. T. WILBY, M.P.S., 8 Roundhill Road. Leicester, left £16,405 (£16,200 net).

Mr. B. J. Woodrow, M.P.S., 10 The Drive, Hartley, Plymouth, left £20,236 (£19,321 net).

PRINT AND PUBLICITY

COMMERCIAL TELEVISION

PROGRAMME details are given to enable chemists to put in linking-up displays if they wish. Notice given is as far in advance of the programme date as can be guaranteed by the broadcasting companies.

Sunday, June 16

LONDON: Tru-Gel. Swandown Lip-Glo. Ibcol. Miraglo. Optrex eye lotion. Gayelord Hauser extra potency yeast tablets. Anadin. Iron Jelloids. Pin-Up home permanent.

MIDLAND: Linc-o-lin beer shampoo. cream beauty mask. Alka-Seltzer. Opas tablets. Dettol, Steradent, Sanpic, Safada cream sham-poo, Dor deodorant, Beecham's powders, Robinson's lemon barley water. Angel Face. Drene.

NORTH: Linc-o-lin beer shampoo. Val-Pak cream beauty mask. Sure Shield fruit flavoured laxative. Steradent. Safada cream shampoo. Dor deodorant. Beecham's powders. Robinson's lemon barley water. Drene.

ALL: Amami waveset. Gibbs' S.R. tooth-paste. Pepsodent, Twink, Max Factor products.

Monday, June 17

London: Val-Pak cream beauty mask, Silvikrin shampoo. Gibbs' S.R. tooth-paste, Aspro, Opas tablets. Pepsodent. Dettol. Beccham's powders. Air-wick. White Rain lotion shampoo, Anadin. Anne French preparations.

MIDLAND: Amami waveset. Vaseline hair cream. Sanpic. Germolene, Anadin, Angel Face. Drene, Gleem tooth-paste.

NORTH: Silvikrin shampoo, Alka-Seltzer, Hor-licks. Pepsodent. Beecham's powders, Germolene. Cephos. Nurse Harvey's mixture. Drene. Gleem tooth-paste.

ALL: Amami wavcset. Brylcreem, Phyllosan. Phensic.

Tuesday, June 18

LONDON: Alka-Seltzer. Secto aerosols. Tru-Gel. Aspro, Optrex eye lotion. Brylcreem, Germolene. Air-wick, Prom home permanent. Andrews liver salt. Anadin, Phensic.

MIDLAND: Amami waveset. Gibbs' S.R. tooth-paste. Horlicks. Optone eye drops. Snowfire waveset. Germolene, Air-wick, Prom home permanent. White Rain lotion shampoo. Hi-Fi lipstick, Drene.

NORTH: Amami waveset, Alka-Seltzer, Vaseline hair cream, Zoflora, White Rain lotion shampoo. Drene.

ALL: Phyllosan. Gleem tooth-paste.

Wednesday, June 19

ONDON: Veldew. Amami waveset. Val-Pak cream beauty mask. Gibbs' S.R. tooth-paste. LONDON: Horlicks, Miraglo, Dr. Wernet's powder, White Rain lotion shampoo. Delsey toilet tissue. Iron

MIDLAND: Alka-Seltzer, Twink, Sanpic, Germolene, Phyllosan, Robinson's orange "smash."

Robinson's lemon barley water. Angel Face.
NORTH: Amami waveset, Vaseline hair cream.
Twink. Phyllosan. Cephos. White Rain lotion shampoo. Robinson's orange "smash." Anadin.

ALL: Pin-Up home permanent. Drene. Gleem tooth-paste.

Thursday, June 20

LONDON: Ibcol. Brylcreem. Dettol. Beecham's powders. Prom home permanent. Robinson's lemon barley water. Delsey toilet tissue. Phensic. Drene.

MIDLAND: Spratt's mixed ovals, Secto aerosols. Gibbs' S.R. tooth-paste, Vaseline hair cream. Swandown Lip-Glo. Brylcreem. Dor deodorant. Phyllosan. Dr. Wernet's powder. Prom home permanent. White Rain lotion shampoo. Andrews liver salt. Flit insecticide. Anadin. Anne French preparations.

NORTH: Secto aerosols, Gibbs' S.R. tooth-paste. Opas tablets, Optone eye drops, Germolene, Phyllosan, White Rain lotion shampoo, Andrews liver salt. Drene.

ALL: Twink. Mothaks. Robinson's lemon barley water. Anne French praparations, Gleem toothpaste.

Friday, June 21

LONDON: Veldew. Silvikrin shampoo. Germolene. Air-wick. Flit insecticide. Anadin. Delsey toilet tissue. Pin-Up home permanent.

MIDLAND: Silvikrin shampoo, Swandown Lip-Glo. Sanpic. Angel Face.

NORTH: Gibbs' S.R. tooth-paste. Zoflora. Bryl-creem. Germolene. Phyllosan. Cephos. Prom home permanent, Flit insecticide, Nurse Har-vey's mixture, Anadin, Pin-Up home permanent,

ALL: Twink, Drene, Gleem tooth-paste,

Saturday, June 22

LONDON: Amami waveset. Val-Pak cream beauty mask, Silvikrin shampoo, Alka-Seltzer, Sure fruit flavoured laxative. Ibcol. eye lotion. Germolene. Phyllosan. Persomnia tablets. Gayelord Hauser extra potency yeast tablets. Robinson's lemon barley water. Anne preparations. Drene, Angel Face. Creme Puff.

MIDLAND: Moorland antacid indigestion tablets. Vaseline hair cream. Zoflora. Optone eye drops. Rotosan, Steradent, Sanpic, Robinson's orange "smash," Anadin, Anne French preparations, Phensic, Drene.

NORTH: Spratt's mixed ovals. Moorland antacid indigestion tablets. Silvikrin shampoo. Vaseline hair cream. Optone eye drops. Steradent, Robinson's orange "smash." Anadin, Phensic.

ALL: Vita-glucose tablets. Horlicks. Brylcreem. Beecham's powders. Air-wick. White Rain lotion shampoo. Andrews liver salt. Lazy Shave. Other products which are being currently advertised (but for which no day of showing has been notified) include: Rose's lime juice, Demuth's Frozoclone, Frozolavender, and flower perfumes. Handjoy. Fynnon salt. Scentinel Quiff aerosol disinfectant. P.L.J. Astral skin

PUBLICATIONS

Catalogues

J. CROSFIELD & SONS, LTD., Warrington, Lancs: Range of chemical products. Pp. 52.

JARRET, RAINSFORD & LAUGHTON, LTD., stock Road, Birmingham, 14: Stratton compacts and accessories. Pp. 28.

KODAK, LTD., Kingsway, London, W.C.2: Photographic catalogue. Pp. 44.

MONSANTO CHEMICALS, LTD., 18 Victoria Street, London, S.W.1: Chemicals and plastics. Pp. 34.

NORTH STAFFS PHOTOGRAPHIC SERVICES, Ball's Yard, Newcastle, Staffs: Photopia photographic catalogue, 1957. Pp. 100.

RANK PRECISION INDUSTRIES, LTD., 41 Mortimer Strect, London, W.1: Filmstrip catalogue, 1957. Pp. 36.

Price Lists

BENGUE & Co., LTD., Mount Pleasant, Alperton, Middlesex: Pp. 6.
BOOTS PURE DRUG CO., LTD., Station Street,

Nottingham: Trade list of medical products. **P**p. 28.

CIBA LABORATORIES, LTD., Horsham, Sussex:

Pharmaceutical preparations. Pp. 8.

Duncan, Flockhart & Co., Ltd., 16 Wheatfield Road, Edinburgh, 11: Duncan specialities, April 1957. Pp. 6.

April 1957. Pp. 6.

GEIGY PHARMACEUTICAL CO., LTD., Wythenshawe,
Manchester, 23: Medical Products. Pp. 4.

OXO, LTD., 16 Southwark Bridge Road, London,
S.E.1: Oxoid medical preparations list. Pp. 14.

PHOTOGRAPHIC DEALERS' ASSOCIATION, 46 Bloomsbury Street, London, W.C.1: Photographic papers list. Leaflet.

PRESS ADVERTISING

RIMMEL, LTD., 146 New Bond Street, London, W.1: "Beauty on a Budget Counter Tray." In daily newspapers and women's magazines.

C. & D. WEEKLY LIST OF PRICES

A=Advanced; R=Reduced; I.R.P=Inclusive Ret	il Deles de Ter 20 est conta de Ter 90 e	
(from June 10) (BIOCHEMICALS), LTD.	tablets* 12 6 4 30 12 2	10} A
Distaquaine V Sulpha Each I.R.P.	75 24 4	3 4 A
tablets 30 11 4 17 0 R	150 40 4	5 6 A
200 73 4 110 0 R 1,000 350 4 525 6 R	Mil-Par 24 4 40 4	3 4 A 5 6 A
EVANS MEDICAL SUPPLIES, LTD.	flavoured* 24 4	3 4 A
Heparinised tubes	40 4	5 6 A 1 10 A
10 mils 3 8 10 A Sentests tablets 100 6 0 A	Phillips' tooth-paste* 13 3	2 8 A
Sentests tablets 100 6 0 A control tablets 100 6 0 A		
Sulphonamide Sentests 100 6 0 A	RIDDELL PRODUCTS, LTD. (tax ex	(emption)
SCRUBB & CO., LTD. (from July 1)	Riddovydrin suppositorics	7 6 R
Scrubb's cloudy ammonia Doz.		29 0 R
	capsules 20 45 0 100 202 6	5 0 R 22 5 R
A. L. SIMPKIN & CO., LTD. Simpkin's Vita-glucose tab-	100 202 0	
lets, standard and fruit 2 Doz.	WIGGLESWORTH, LTD. (new pack single gripe mixture*	ize)
flavours 16 6 11½ A	Goulds gripe mixture* 4 oz. 10 6	1 9
6 doz. 16 0 12 doz. 15 6	12 9 6	
chocolate flavour 17 0 1 0 A	NEW PRODUCTS AND PAG	TIZE
6 doz. 16 6 12 doz. 16 0		JN3
(Carriage paid on orders valued at £3 and over).	C. L. BENCARD, LTD. Paynocil tablets*	
WESTMINSTER LABORATORIES, LTD. (from	wallet of 6	1 6
June 1) Doz.		
Brooklax* 6 6 1 10½ A 18 13 4 1 11 A	CHLORIDE BATTERIES, LTD. Drydex T21 battery	10
Bonomint* 6 6 1 101 A	·	-
16 13 4 1 11 A	CROOKES LABORATORIES, LTD.	
Senokot granules* 2 oz. 19 8 2 10 A 6 oz. 54 0 7 9 A	Cortoderm* 0.5 per cent.	
Each	10 gm. 5 0	9 0
2 lb. 21 0 A	1 per cent. 10 gm. 9 0	16 2½
Doz. tablets 50 16 8 2 5 A	EVER READY CO. (G.B.), LTD.	10
200 50 0 7 3 A	Ever Ready LP U2 battery	10
Each	F. FARTHING & CO., LTD.	
1,000 16 0 A WRIGHT, LAYMAN & UMNEY, LTD.		42 0
Wright's paradichloroben-	CHIEFTED INDUCTRIES LTD	
zene 16 oz. 3 0 A	GILLETTE INDUSTRIES, LTD. Gillette Superspeed razor*	7 6
P.A.T.A. LIST		
(Alterations notified this week by the Proprietary	GLAXO LABORATORIES, LTD. Diphtheria prophylactic	
Articles Trade Association.)	(formol toxoid)	
PARKE, DAVIS & CO., LTD. (from June 1) Doz.	2 x 1-c.c. ampoules 27 0	3 0
Euthymol tooth-paste* 12 2 1 10 A	10-c.c. vial 67 6	7 6
CHAS. H. PHILLIPS CHEMICAL CO., LTD.	UPJOHN OF ENGLAND, LTD.	i
(from June 1) Milk of Magnesia* 14 5 2 0 A	Cordex forte* 100 45 2	
Milk of Magnesia* 14 5 2 0 A	Cordex forte* 100 45 2	

ECZEMA?

INFECTION?

OR BOTH?

The Difficult Diagnosis

Diagnosis between an infected skin condition and an eczema is sometimes difficult.

Cortibiotic



skin ointment

1.5% of Soframycin and 0.5% of prednisolone in a bland water-miscible vehicle in 5 and 15G. tubes.

Cortibiotic ointment covers both possibilities, as the Soframycin controls the infection, while the prednisolone checks the eczema.

Indications



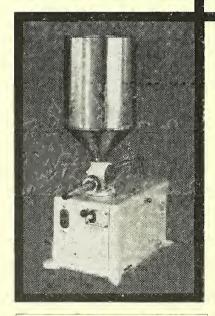
847 HARROW RD., LONDON, N.W.10. Infected eczemas
Infected pruritic lesions
Otitis externa
Infected angular stomatitis
Intertrigo



HORTON ROAD . WEST DRAYTON . MIDDLESEX . Tel: WEST DRAYTON 2237

NEW!

For Short-run Tube Filling



Here is the new Flexifiller designed for the rapid handling of small-scale tube filling orders. Electric drive eliminates operator fatigue and gives twice the output of a hand-operated machine. All contact parts of stainless steel. Interchangeable punt and easy adjustment enable the Flexifiller to fill a wide range of sizes with high accuracy. Suitable for tubes, jars, tins or bottles.

FOR LARGE MANUFACTURERS. Easy to clean and set for short runs and experimental work. Saves machine capacity and money by freeing larger machines for long-run orders.

FOR SMALL MANUFACTURERS. A high-output, electrically operated, all stainless steel machine at a reasonable price.

FOR HOSPITALS. The Flexifiller gives the accuracy of a fully automatic machine in a small space and at low cost. Easily dismantled for cleaning and sterilisation, All contact parts can be autoclaved.

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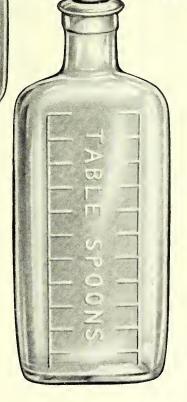
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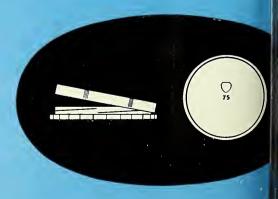


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Ortho Diaphragm

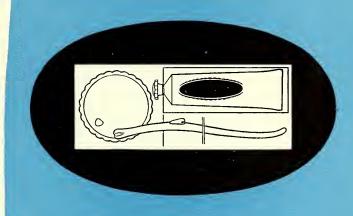
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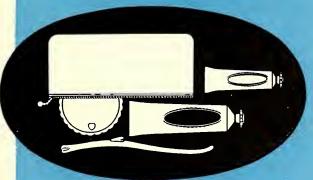
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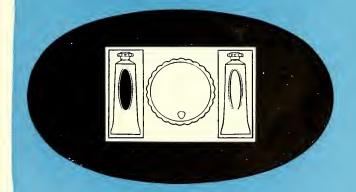
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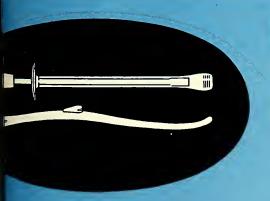
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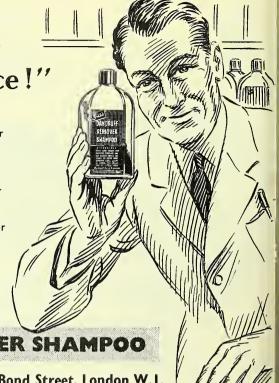
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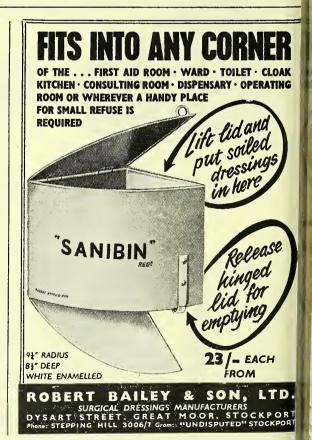
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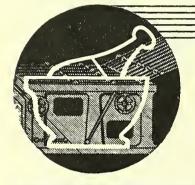
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Director. C 322

CLARE HALL HOSPITAL, SOUTH MIMMS, Nr. BARNET, HERTS (405 beds for diseases of the chest)

required. Whitley Council scale, including London Weighting (also £25 per annum for higher qualification if appropriate). Department serves other hospitals.

Applications, stating age, qualifications, experience and giving names of two referees, to be sent to the Medical Director. C 312

EAST HAM MEMORIAL HOSPITAL, SHREWSBURY ROAD, LONDON, E.7

LUINDUIN, EAT Senior Pharmacist
full-time, Annual salary £650-£830 plus £20-£30
London Weighting. Alternatively full—or parttime Pharmacist (hours by arrangement) would
be considered. Apply stating experience to Hospital Secretary. C 6687

HAMMERSMITH HOSPITAL AND POST-GRADUATE MEDICAL SCHOOL, DU CANE ROAD, LONDON, W.12

(Category V)

Pharmaeist
required at the above teaching hospital. Post vacant July. Varied work and good experience. Pleasant working conditions. Previous experience not essential. Whitley salary scale (£580-£780 plus London Weighting: commencing point according to experience) and conditions. Age, qualifications, experience, names two referees to Secretary as soon as possible. C 6677

HAMPSTEAD GENERAL HOSPITAI

GENERAL HOSPITAL,
ROYAL FREE GROUP
Locum Chief Pharmacist (Category II)
Locum Chief Pharmacist required at the above
hospital from July 8 for one month. Salary
18 guineas per week. Applications, together with
names and addresses of two referees, should
be addressed to the Group Chief Pharmacist,
Royal Free Hospital, Gray's Inn Road, W.C.1.
C 6630

HIGHBURY HOSPITAL,
BULWELL, NOTTINGHAM
Pharmacist—Full-time
Applications are invited for the above post.
The post offers opportunity to obtain experience in general pharmaceutical work. Salary and conditions in accordance with the Pharmaceutical Whitley Council regulations.
Applications, stating age, qualifications and names of two referees, to be sent to the Hospital Secretary.

C 6665

HOSPITALS FOR DISEASES OF THE CHEST, LONDON CHEST HOSPITAL, E.2 Loeum Pharmacist required immediately for an indefinite period. Applications to House Governor. C 6642

HOSPITALS FOR DISEASES

HOSPITALS FOR DISEASES
OF THE CHEST,
LONDON CHEST HOSPITAL, E.2
Pharmacist or Senior Pharmacist
Applications are invited for the post of Pharmacist or Senior Pharmacist at the above Hospital. Salary in accordance with the Whitley Council scales. Applications, stating age, qualifications and experience, accompanied by two testimonials, should be addressed to the House Governor, London Chest Hospital, E.2. C 6641

KIDDERMINSTER GENERAL

HOSPITAL, WORCS.

Assistant Pharmaeist
required at the above hospital. Whitley Council scale of pay and conditions of service.
Applications, in writing, together with age, experience and qualifications to the Hospital Secretary.

KING EDWARD VII HOSPITAL, WINDSOR

(Category III Hospital)

Pharmacist
required. Whitley salary. Applications stating age, qualifications and experience, with names of three referees to Secretary.

LEYTONSTONE (No. 10)

LEYTONSTONE (No. 10)
HOSPITAL GROUP
Assistant-in-Dispensing
required at Whipps Cross Hospital, London,
E.11. Salary according to age and experience
rising to a maximum of £490 per annum, plus
London Weighting. Applicants must possess the
Apothecaries' Hall Certificate, in respect of
which an additional £20 per annum is payable.
Preference will be given to applicants with previous hospital experience.
Application forms from the Hospital Secretary,
to be returned by June 17, 1957. C 6682

LONDON CHEST HOSPITAL, E.2

LONDON CHES1 PROSE PLANE, S. C. Assistant-in-Dispensing
(Apothecary Hall or similar qualification) required for general dispensary duties. Whitley salary scale. Apply to the House Governor.

C 6704

Appointments—Continued METROPOLITAN HOSPITAL, KINGSLAND ROAD, LONDON, E.8 Locum Pharmacist required immediately. Salary 16 guineas per week. Apply to Hospital Secretary (Telephone: Cli. 6862). Appointments—Continued

NAPSBURY (MENTAL) HOSPITAL MANAGEMENT COMMITTEE, Nr. ST. ALBANS, HERTS Senior Pharmacist Applications are invited for the above post. 650 x £30—£830. New Pharmacy in course of construction.

of two referees, endorsed "SENIOR PHAR-MACIST."

NAPSBURY (MENTAL) HOSPITAL

NAPSBURY (MENIAL) HOSPITAL
MANAGEMENT COMMITTEE,
Nr. ST. ALBANS, HERTS
Locum Tenens Pharmacist
required at £16 16s. per week. Modern pharmacy. Details to the Group Secretary, with names of two referees in an envelope to be endorsed "Locum Pharmacist." C 6615

NORTH WESTERN BRANCH

ROYAL FREE HOSPITAL GROUP Chief Pharmacist (Category II)
Applications are invited for the post of Chief Pharmacist at the North Western Branch of the Royal Free Hospital, Hampstead, N.W.3. Salary £725 rising to £990 p.a., plus London Weighting and £25 for recognised higher qualification. Applications foresers with the manage fication. Applications together with the names of two referees should be addressed to the Group Chief Pharmacist, Royal Free Hospital, Gray's Inn Road, W.C.1.

PARK PREWETT HOSPITAL MANAGEMENT COMMITTEE, BASINGSTOKE, HANTS Locum Assistant-in-Dispensing (Apothecaries' Hall Certificate) required for the period July 29 to August 24

required for inclusive.

Salary £9 11s. 6d. per week. Full board residence provided at a nominal charge.
Please apply to the Group Secretary, Park Prewett Hospital, Basingstoke, Hants, as soon C 6683

PINEWOOD HOSPITAL

NINE MILE RIDE, WOKINGHAM
Locum Chief Pharmacist
required from August 26 to September 14.
Salary £16 16s. per week. Resident post if required. Applications to Secretary, Pinewood
Hospital, Nine Mile Ride, Wokingham. C 6671

QUEEN MARY'S HOSPITAL FOR CHILDREN,

CARSHALTON, SURREY Locum Assistant-in-Dispensing required immediately for indefinite period. Salary according to Whitley Council scales plus London Weighting.

don Weighting.
Applications stating age, qualifications and experience with the names and addresses of two referees should be sent to the Group Secretary, Queen Mary's Hospital for Children, Carshaller Surgery

SHOTLEY BRIDGE GENERAL

SHOTLEY BRIDGE GENERAL HOSPITAL, SHOTLEY BRIDGE, CONSETT, co. DURHAM Post-graduate Student Applications are invited for the appointment of a Post-graduate Student in Pharmacy at the Shotley Bridge General Hospital (Catcgory IV). Salary £385 per annum. Accommodation can be provided in the Hospital.

Applications giving full details of training and the names of two referees to the Secretary, Shotley Bridge General Hospital, Shotley Bridge, Consett, co. Durham. C 6670

ST. ALBANS CITY HOSPITAL,
NORMANDY ROAD,
ST. ALBANS, HERTS
(384 beds)
Senior Pharmacist
Applications are invited for the post of Senior
Pharmacist (Category III) at the above busy
general kospital within easy reach of Central
London. Whitley Council salary and conditions.
Applications, stating age, qualifications and experience to the Chief Pharmacist. C 6652

ST. AUGUSTINE'S HOSPITAL

ST. AUGUSTINE'S HOSPITAL, CHARTHAM, Nr. CANTERBURY Assistant-in-Dispensing (Male or female) required. Previous experience in dispensing desirable. Salary scale £375 to £490 per annum plus £20 for Certificate of Apothecaries or equivalent qualifications. (Lower salary applies until 22 years of age.) Resident accommodation for female assistant if required. Apply, giving full particulars, and naming two referees, to the Group Secretary, St. Augustine's Hospital, Chartham, Nr. Canterbury. C 6658

SUNDERLAND AREA HOSPITAL

MANAGEMENT COMMITTEE
Locum Pharmacist
required immediately for a period up to four
months for work in various hospitals. Salary
16 guineas per week.
Apply in writing to the Group Secretary,
General Hospital, Sunderland.

C 6698

STEPNEY GROUP HOSPITAL MANAGEMENT COMMITTEE, LONDON JEWISH HOSPITAL, STEPNEY GREEN, E.I Pharmacist

Pharmacist required at the above hospital. Salary scale £580 x £30 (6) x £25 (1) to £785 p.a., plus London Weighting. Whitley Council conditions of service. Applications stating age, experience, qualifications, and the names of two referees to be sent to the Hospital Secretary. C 6627

STEPNEY GROUP HOSPITAL MANAGEMENT COMMITTEE, LONDON JEWISH HOSPITAL,

LONDON JEWISH HUSTIAL,
STEPNEY GREEN, E.1
Locum Pharmacist
required at the above hospital. Rate of pay
£16 16s. per week. Also:
Locum Assistant-in-Dispensing
Rate of pay £9 11s. 6d. per weck if qualified;
£9 3s. 6d. per week unqualified. Applications
to be sent to the Hospital Secretary. C 6628

WOOLWICH GROUP HOSPITAL

MANAGEMENT COMMITTEE
Locum Pharmacists
required at Brook General Hospital, Shooters
Hill Road, S.E.18 (Tel.: Woolwich 1172); and
at St. Nicholas Hospital, Tewson Road, Plumstead, S.E.18 (Tel.: Woolwich 1441). Salary
£16 16s. per week. Apply to the Chief Pharmacist at the Hospital.

SITUATIONS VACANT RETAIL (HOME)

BRENTWOOD. Managing Pharmacist required for modern and attractive business. The post provides substantial salary structure and good for modern and attractive business. The post provides substantial salary structure and good supporting staff. There is attractive and modern accommodation available above this branch. Applications in first instance to Chief Pharmacist, London Co-operative Chemists, Ltd., Grange Road, Leyton, E.10.

CHEMIST-OPTICIAN required to take charge of main street pharmacy in Woolwich with good optical connection attached. This is a large well staffed business with full superannuation scheme. Please give all details of age, previous experience, etc., to Managing Director, Arnold M. Gee, Ltd., 12 High Street, Colliers Wood, S.W.19.

EAST MIDLANDS, Pharmacist required to manage large, new, modern branch near Peterborough. An attractive, self-contained, modern flat is now being completed and will be available at a reasonable rent. Salary to commence, up to £1,000 per annum, according to experience. This is a permanent, superannuated post with excellent conditions of employment and prospects. Apply giving full particulars to Peterborough. Co-operative Chemists, Ltd., Park Road, Peterborough.

Road, Peterborough.

C 4711

LADY assistant dispenser-bookkeeper required for doctors' practice in Cathedral town in South Midlands. Please state age and experience when applying. Whitley salary and conditions. Box C 4715.

LONDON. Pharmaceutical Chemist required to LONDON. Pharmaceutical Chemist required to manage substantial business in an attractive suburb. The position provides full scope for initiative and advancement. An adequate incentive will be provided along with a substantial basic salary. The successful candidate will be eligible for the Company's super-annuation scheme and accommodation can be provided. Apply, stating full details and when available for interview to Box C 4704. PHARMACIST MANAGER required by good dispensing business. Shop recently modernised, model dispensary. Normal hours; salary £20 per week. Phone Greenwich 1953 or write Secretary, Duncans Dispensing Chemist, 193 Greenwich High Road, London, S.E.10. C 4672 READING. Young male qualified assistant required for private pharmacy. Excellent supporting staff. Happy atmosphere and attractive prospects. Furnished flat with garden and garage available. Hayward, 155 Oxford Road. C 4718 UNQUALIFIED assistant required (either sex) for light dispensing and counter. Knowledge of photographic goods an advantage. State age, particulars of education and previous employment, copies of testimonials, date free, salary required. Seasonal post with option of permanency if suitable. If engaged fare paid from any part of British Isles, Raymond Smith, 2 Cliff Road, Newquay, Cornwall. C 4710 WEST MIDLANDS. Pharmacist (either sex) required to manage modern branch pharmacy. Congenial position with commencing salary of £1,000 per annum. No Sunday, holiday or rota duties. For full details apply, giving age and experience, to Jack Powell, Chemist, Old Hill, Staffordshire. C4700 YORK CO-OPERATIVE CHEMISTS 50-CIETY, LTD., require pharmacists, ladies or gentlemen, for permanent progressive positions as branch managers. Good wages and conditions. Apply, Superintendent Chemist, York Co-operative Chemists Society, Ltd., 22 Railway Street, York. PHARMACIST MANAGER required by good

LOCUMS WANTED

ILFORD. Locum tenens pharmacists are required to undertake a tour of duties in the Ilford area. There is a substantial salary and expense structure and varying periods would be acceptable. Applications in first instance to Chief Pharmacist, London Co-operative Chemists, Ltd., Grange Road, Leyton, E.10. C 4705

WHOLESALE

ABLE PRODUCTION MANAGER required for control of department manufacturing and packing perfumes, tales and cosmetics for the trade. Salary £750-£1,000. Excellent prospects. Full details of training and experience to Box

trade. Salary £750-£1,000. Excellent prospects. Full details of training and experience to Box C 4714. CHEMIST: WM. R. WARNER & CO., LTD. (incorporating Richard Hudnut, Ltd.), have a vacancy for a chemist, aged 24-30, with qualifications in chemistry or pharmacy for duties in quality control department. Candidate with previous experience with firm manufacturing pharmaceuticals and cosmetic products preferred. Excellent working conditions, 5-day week, free pension scheme. Write in confidence, giving full details and salary required to Personnel Manager, Wm. R. Warner & Co., Ltd., Chestnut Avenue, Eastleigh, Hants. C 6604 DALMAS, LIMITED, Leicester, Wholesale Chemists and Manufacturers of surgical plasters and pharmaceuticals, have a vacancy for a trade representative to call on chemists in Kent. Sussex, Hants, and Surrey. Applicants must be resident on the territory, and should also have some experience of selling chemists' sundries; a connection on the territory will be an advantage. Remuneration by salary, expenses and commission, company car supplied. Details stating age, education, previous experience and salary required, to Sales Manager, Dalmas, Limited, Junior Street, Leicester. C 6684 IMPERIAL CHEMICAL INDUSTRIES, LTD., invites applications from men with a good medical or pharmaceutical background, between 25 and 35 years of age, for medical representative work. The successful candidate, after an initial period of training, will be posted to a territory in the Home Counties and will be directly responsible to a pharmaceutical Sales Manager with headquarters in London, Applications with full particulars should be addressed to the Staff Manager, Imperial Chemical Industries, Ltd., Pharmaceuticals Division, Fulshaw Hall, Wilmslow, Cheshire. C 6660

LANCASHIRE AND CHESHIRE REPRESENTATIVE

Experienced representative required for two counties to detail range of ethical products to doctors and also sell to themists. Salary, expenses and commission. Company car provided. Contributory Pension Scheme. Apply giving full details of experience to Box C 6678.

PHARMACEUTICAL COMMITTEE FOR THE COUNTY OF LONDON (National Health Service)

APPOINTMENT OF SECRETARY

Applications are invited from Pharmaceutical Chemists for the whole-time position of Secretary to the London Pharmaceutical Committee. The Salary will be a matter for negotiation, and there will be participation in the Committee's non-contributory Superannuation Scheme after an initial period of service, Retail and Administrative experience and a knowledge of the National Health Service Regulations will be an advantage.

Applications, in writing, stating age, qualifications and experience, together with the names of two referees should reach the undersigned not later than 1st July. W. H. Green, M.P.S., Chairman of the London Pharmaceutical Committee, 107 Humber Road, London, SF 3.

Situations Vacant—Continued

Situations Vacant—Continued

EXPERIENCED PROCESS WORKER required by manufacturing cosmetic chemists. Five-day week, Good prospects. Apply Box C 6688.

MEDICAL REPRESENTATIVE required for London area, Applicants between 25 and 40 years of age will be considered. A good pharmaceutical background is an important asset. Previous experience as medical representative not essential as full instruction will be given. Please state age and salary required. Box C 326.

MEDICAL REPRESENTATIVE required for the Leeds area; preferably 25-35; personality, enthusiasm and sales ability are prime requirements; pharmaceutical experience an advantage out an interest in medical technicalitics and ability to learn quickly are an acceptable alternative; the post entails detailing highest qualify harmaceutical products to the medical profession and servicing the retail and wholesale harmaceutical trade; company car provided. Expenses allowed and a pension scheme is poerated. Applications in writing, giving fullest letails of education and experience, should be ddressed to the Sales Manager, Lederle Labortories Division, Cyanamid of Great Britain, Ltd., Bush House, London, W.C.2. C 6703

PARKE, DAVIS & CO., LTD.

Applications invited from pharmacists with a knowledge and practical experience of modern aseptic techniques on a manufacturing scale, for an executive position in their Production Division.

The successful candidate will have the opportunity of a promising career in a world-wide organisation engaged on the production and distribution of ethical, pharmaceutical and fine chemical pro-

Five-day week. Canteen, pension and life assurance plan.

Write in the first instance to; Personnel Manager, Parke, Davis & Company, Limited, Staines Road, Hounslow, Middlesex.

E. LONDON manufacturing chemists special-ing in galenicals require experienced process orker. Apply, stating wage required, to Works anager. Box C 6667.

EVANS MEDICAL SUPPLIES LTD. Medical Information Department

A vacancy exists for a Pharmacist with good academic background to assist the Doctor in charge of the Medical Information Department in dealing with technical enquiries on a wide and interesting range of clinical and pharmaceutical subjects, and in other aspects of the department's activities. The appointment offers good scope for progress in an expanding organisation with important clinical research contacts, Pharmaceutical experience in a teaching hospital would be a desirable, though not essential, attribute

Pharmaceutical Analytical Laboratory

An Assistant Analyst is required for the pharmaceutical section of the analytical laboratories. Applicants should hold a pharmaceutical or suitable chemical qualification. Previous experience desirable but not essential. Work will be done under experienced supervision and would assist a person studying for F.R.I.C. Branch E examination. Pension scheme, Five-day week. Apply in both cases with details of age, education and experience to the Pharmaceutical Development Director, Evans Medical Supplies, Ltd., Speke, Liverpool, 19.

C 6705

HOSPITAL REPRESENTATIVES

As a result of our programme of expansion, vacancies for Hospital Representatives will shortly occur in the following

MERCK SHARP & DOHME

LEADING IMPORTER/EXPORTER/DISTRI-BUTOR has opening for young man as sample clerk, previous experience not essential, but interest in chemistry an advantage, Reply Box

MANUFACTURING chemists, East London, require export packers and checkers with a sound knowledge of export packing. Also drivers who are prepared to accept journey work as well as London deliveries. Box C 6675.

(1) Yorkshire
(2) Midland Counties
Applications are invited from men who would be interested in calling on Hospital Pharmacists, Consultants, and other Hospital medical personnel in order to introduce the Commany's pro-

other Hospital medical personnel in order to introduce the Company's pro-ducts of original research. Applicants should possess the qualities for this specialised type of work and preferably have a pharmaceutical quali-fication or previous experience in Medical Representative work.

cal Representative work.
Age should not be more than 35. Commencing salary will be commensurate
with age and previous experience and
will be subject to regular review.
Company car provided and an attractive
Pension Scheme is in operation.
Please write giving full details to:—

Sales Manager, Merck Sharp & Dohme, Ltd., Hoddesdon, Herts

C 6690

OLD ESTABLISHED manufacturing chemists, situated East London, require transport foreman. Successful applicant should be able to maintain records and route vehicles, with a thorough knowledge of greater London and Provinces, to maintain discipline and to have a working knowledge of diesel and petrol vehicles. Box C 6674.

PHARMACIST

required to work on the formulation of new Pharmaceutical Products, Experience not essential. Excellent opportunity for young man with ability and aptitude in this field, Apply giving full details to Personnel Manager.

Pharmaceutical Division. Horlicks, Limited, Slough, Bucks

C 6702

MALE INVOICE CLERKS required for manufacturing chemists near London Bridge Station. Five-day week, pension scheme. Apply Office Manager, 42-50, Southwark Street, London, ct. 1.

MERCK SHARP & DOHME

MEDICAL REPRESENTATIVES

MEDICAL REPRESENTATIVES

If you are interested in joining the
Medical Representative Staff of an expanding and progressive Organisation
then you are invited to apply for newly
created positions in the following areas:

(1) London and Home Counties
(2) County of Gloucestershire
(3) Scotland
(4) Nottinghamshire and Lincolnshire
The positions offer the opportunity to

(4) Nottingamsnire and Linconsnire The positions offer the opportunity to promote the products of a Company with the backing of one of the world's largest research Organisations in the pharmaceutical field.

pharmaceutical field.

Applicants should be under 35 years of age and if not possessing a pharmaceutical qualification, should have a good pharmaceutical or medical background. Previous experience is not considered essential as training will be

given.

Commencing salary will be commensurate with age and experience and will be subject to regular review.

A Company car is provided and an attractive Pension Scheme is in force.

Apply:

Sales Manager,
Merck Sharp & Dohme, Ltd.,
Hoddesdon, Herts

C 6691

BURROUGHS WELLCOME & CO.

VACANCY—MARKETING EXECUTIVE

Applicants should be pharmacists and have a good educational background and a wide pharmaceutical knowledge. Preference for applicants with general experience in a pharmaceutical organisation. Some experience in pharmaceutical promotion, while an advantage, is not essential. The position offers opportunities for advancement and entails liaison with sales, production, development and research. Contributory pension scheme. Applications (by letter only) will be treated in confidence. They should give full details of experience, etc., and be addressed to The General Sales Manager (Home Division), Burroughs Wellcome & Co., The Wellcome Building, Euston Road, N.W.1.

MEDICAL WRITING

BAYER PRODUCTS LIMITED require a young pharmacist of either sex with ability to write good English for Medical literary work. Work is varied, interesting and has good prospects. Applications in confidence with specimens of any written matter which will be returned, to Personnel Officer, Bayer Products Ltd., Neville House, Eden Street, Kingston-on-Thames, Surrey.



-IMPORTANT-

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Situations Vacant—Continued

JUNIOR required by Wright, Layman & Umney, Ltd., for interesting work in modern chemical department. Good opportunities for a keen youth with a flair for chemistry. Five-day, 44-hour week; canteen available; pension scheme in operation at age 21. Apply: Works Manager, 66/76 Park Street, S.E.1. C 6693

REPRESENTATIVES

REPRESENTATIVES
FAMOUS HOUSE, manufacturing nationally advertised hair preparations, are looking for really first-class representatives with live connections amongst the chemist trade for their Midland and North Country territory, Remuneration is by way of good salary, expenses and commission. Excellent prospects for conscientious man. Apply with fullest details to Box C 6676.

SALES REPRESENTATIVE required for Black-SALES REPRESENTATIVE required for Blackpool/Preston/Wigan area by well-known pharmaceutical house. Must be thoroughly experienced and able to take over and develop existing connection in drugs, packed goods, sundries, etc. Salary, expenses and commission;
car supplied; pension scheme. Full details of
past experience, etc., to H.S.D. Box C 6689.

S.E. LONDON manufacturing chemists require
drug counter hand male of female. Apply stat-

drug counter hand, male or female. Apply, stat-ing wage required, to Works Manager. Box

THERE IS A VACANCY for a young man records and statistical clerk in the buying offices of London Co-operative Chemists, Ltd. This position offers a splendid opportunity for promotion and progress and there are superannuation benefits, canteen facilities and a five-day week. Written application in first instance to Chief Pharmacist, Grange Road, Leyton, E.10.

C 4698

WHOLESALE (OVERSEAS)

WHOLESALE (OVERSEAS)

A LEADING merchant house requires for service in British West Africa a Pharmacist (British qualification only). Applicants should preferably be between the ages of 28 and 36. Starting salary will be at least £1,050 per annum. Generous family allowances, free furnished accommodation and tree medical services. There is a contributory pension fund which provides certain guaranteed benefits, including widows' and children's pensions and provision for retirement where the qualifying age for a pension is not reached. Initial kit allowance of £75, colonial rates of income tax, tour of about 21 months, followed by substantial leave on full pay. Free first-class passages are provided for men, their wives and children under age 8. Apply giving full particulars to Box C 6673.

AGENTS WANTED

SALES AGENTS required having connection with stores, chemists and hairdressers to handle two established French perfumery houses. Liberat commission for the right man. Areas available:—North (Lancashire and Yorkshire); South Wales and West Country; East Coast, London and Home Countries; South Coast, Write for details, stating lines already carried and if car is available to Box C 6669.

SITUATIONS WANTED WHOLESALE

EXPERIENCED medical representative, university degree, best connections with London doctors and hospitals, car owner, seeks appointment with first-class company. Reply Box C 4693.

AUSTRALIA. Experienced executive (39) offers services to Australian manufacturers. At present chief buyer for large pharmaceutical group in U.K. World experience of sources. 12 years overseas bulk chemical sales executive with well-known British company at director level. Personal contacts with European, Middle and Far Eastern markets. Please write Box C 4694. PHARMACIST requires post with firm of wholesaler/manufacturing chemists situated in Lincolnshite, S. Yorks, Cambs, or adjacent areas. Box C 4701. REPRESENTATIVE covering South Coast for manufacturing chemists, in position to introduce non-competitive lines. Replics: Ivins, c/o 10 Criss Grove, Chalifont St. Peter, Bucks. C 4658 REPRESENTATIVE with good chemists' connections in London area seeks position with scope. Inside post would be considered. Box C 4699. SALESMAN, age 36 with two years' experience AUSTRALIA. Experienced executive (39) offers

C 4099.

SALESMAN, age 36 with two years' experience on the road backed by practical knowledge in the factory seeks position as representative on the South Coast, Has 300 live accounts amongst retail chemists and drives own car, Box C 6679.

AGENCIES WANTED

AGENCIES WANTED for representation in N.E. England for direct importers or manufacturers of sundries, drugs, etc. Must be at competitive prices for distribution to general factors and wholesale chemists and sundriesmen. Commission only. Box C 4716.

AUSTRALIA

AUSTRALIA

SELLING AGENT, pharmacist, resident in Sydney, invites inquiries from reputable firms requiring selling agent in Australia. Representatives at present calling on doctors, dentists and chemists. Specialists in marketing of ethical products, fully conversant with all methods of medical propaganda. P. J. Lynch, M.P.S., Ph.C., Box 3259, 100 Clarence Street, Sydney, Australia. C 4709

WHOLESALE Manufacturing Chemists with factory and offices in Dublin, open to represent manufacturers, and/or act as distributors on a commission basis. Long established with an excellent reputation among chemists in Ireland, we are in a position to give regular and thorough coverage to the whole country on a three-month journey. Box C 4712.

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LARGEST CASH BUYERS of photographic LARGEST CASH BUYERS of photographic equipment of every description, outdated film and paper, etc. Spears, 14 Watting St., Shudehill, Manchester, 4. Phone: Blackfriars 1916. Bankers: Midland Bank, Ltd. C 306 WANTED: Kodachrome 16 mm. outdated film; also black and white. State quantity and price to Skynner, Gitbury, Lostwithiel, Cornwall.

WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large. Our representative will call anywhere. Lawrence Edwards & Co., Ltd., 6/7 Wellington Closc, Ledbury Road, London, W.11. Tel.: Bayswater 4020 and 7692. C 140

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100 BAYS of brand new adustable steel shelving, 72 in. high by 34 in. wide by 12 in. deep, stove-enamelled bronze green. Scample delivered free. Quantity discounts. N. C. Brown, 1.d., Eagle Steelworks, Heywood, C 6554

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L. FRANKENBERG, LTD.,
37 HOUNDSDITCH, LONDON, E.C.3 C 269

MISCELLANEOUS

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SUPPOSITORY EXCIPIENTS "IMHAUSEN" —in five different grades to suit individual need—available from Chemists Trading Company Ltd., 102 Bishopsgate, London, E.C.2. C 300

PATENTS

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THE SAME
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C 670

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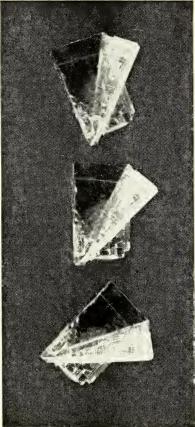
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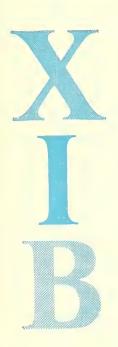
Printed by The Haycock Press, Ltd., 106-140 Neate Street, Camberwell, S.E.5, and published by the Proprietors, Morgan Brothers (Publishers), Limited, at 28 Essex Street, Strand, London, W.C.2.















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